1951

Soybean BLUE BOOK





* Survey of Iowa soybean growers showed 91% inoculated every seeding. Among those expressing preference, NITRAGIN led all other brands 3 to 1.

* Elmer Chestwood, Georgia, made this two acre test. One acre's corn followed inoculated cover crop—on other acre no cover crop was used. 56.3 extra bushels of corn came from acre following inoculated lupine cover crop.

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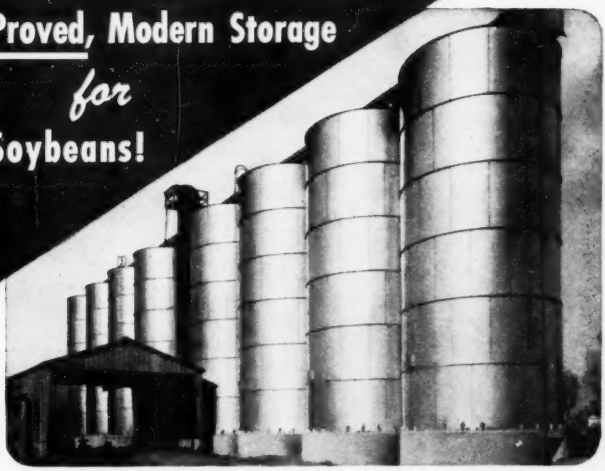
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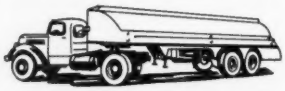
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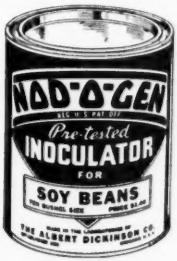
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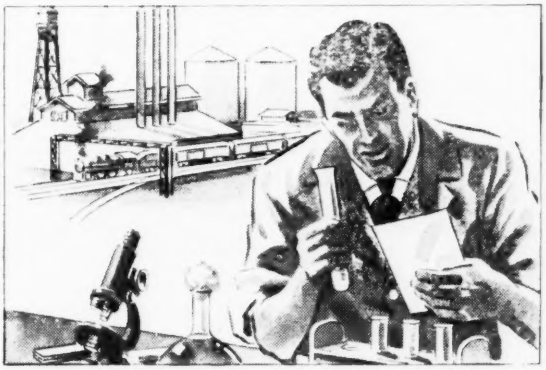


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FIGHTS YOUR LEGISLATIVE BATTLES. The organization promotes new markets for soybeans, protects price relationships, removes legislative restrictions, and secures appropriations for research work on varieties, diseases, pests, . . . etc.

Countless hours are spent each year by Association officers in Washington and state capitols in efforts to protect the interests of soybean producers in legislative affairs.

PROMOTES MARKETS for soybeans and soy products. The Association through contacts with both the domestic and foreign markets encourages the usage of soybeans and soy products in human and animal nutrition as well as industry.

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A new finance program was launched in 1948 and is gradually being expanded to cover all main soybean growing areas. Under it growers are asked to contribute voluntarily 1/5c per bushel from their harvested crop, with the elevators where they sell their soybeans acting as collecting agencies. Soybean processors are also asked to pay into the promotion fund 50c per thousand bushels from their monthly crush.

A field service director is in charge of the program. To date field work has been set up only in limited areas but is being expanded as rapidly as facilities permit.

PUBLICATIONS

The *Soybean Digest* is the only magazine in America devoted to soybeans. Published monthly by the association it goes to all members of the American Soybean Association. The *Soybean Blue Book* is the annual directory of the Association.

MEMBERSHIPS

Active Membership in the American Soybean Association is open to individuals on payment of annual dues of $3.00 and includes subscription to the *Soybean Digest.*

Associate Membership is open to business organizations, corporations, partnerships and other agencies interested in the welfare of the soybean industry at a cost of $10.00 per year, including one subscription to the *Soybean Digest.*

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Ontario Soya Bean Marketing Committee. H. Pugh, Chatham, Ontario, chairman; K. A. Standing, Essex, Ontario, Essex County agricultural representative, Essex, Ontario, secretary. Purpose, to promote the soybean industry in Ontario and to regulate marketing. The Ontario marketing board is selected from this committee.

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Regular membership in the National Soybean Processors Association is limited to individuals, firms or corporations regularly engaged in the actual processing of soybeans.

Recently the constitution of the Association was altered to provide for associate memberships. Firms which are consumers of soybean oil and/or soybean oil meal now are eligible for associate membership. A number of refiners and mixed feed manufacturers are now associate members of the Association.

Through this organization, equitable trading rules have been developed which have admirably and fairly served the buyers and sellers of soybean products during the years in which the soybean industry has made such remarkable growth.

The intense research activity fostered by the Association and its members has played an important part in placing the industry on the high plane which it enjoys today. The Associations and members' promotional efforts have established a place for soybean products in highly competitive fields. Through this research and promotional activity the products of soybeans have become standard essentials in our food, feed and industrial markets.

In March of 1948 the Association launched a national soybean crop improvement program with J. W. Calland of Decatur, Ind., as director. Considerable progress has been made in working with growers, county agents, vo-ag teachers, university personnel, veterans' classes instructors, processors, and others toward a better understanding of the cultural problems and possibilities of the soybean crop.

Since the inauguration of the program, some 200,000 copies of the booklet, Soybean Farming, have been distributed. A publication, Soybean News, issued four times a year, is being sent to a mailing list of over 18,000. The latest activity has been the production of a sound color 16-mm movie entitled, Soybeans—the Feature Story. This film runs 27 minutes. It is available from the American Soybean Association, Hudson, Iowa, the university film libraries in the principal soybean producing states and from the Modern Talking Picture Service, Inc., 142 E. Ontario St., Chicago 11, Ill.

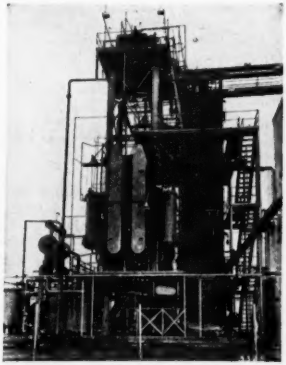


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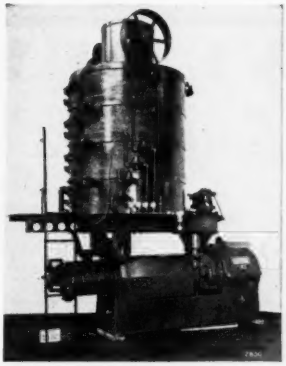
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Organized 1936.

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Director of nutrition—C. Kenneth Shuman.

Chairman executive board—E. A. Buelens.

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Secretary—Douglas Dies.

Representing American Soybean Association—Geo. M. Strayer.

This Council has been the principal part of the Soy Flour Association since organization of the Association in 1936. Inasmuch as most activities are centered in the Council, it was voted at a meeting on Dec. 9, 1949, to drop the name of the Soy Flour Association, which had been somewhat unique as a trade group as its major effort had been along the lines of scientific research, new product studies, and market development.

During the war and postwar periods, this group was the channel through which the industry assisted the government in bringing about public consciousness of the high food value and comparative low cost of soy protein products. With helpful advice from government technologists, standards were adopted. At government request substantial increases were made in the industry's productive capacity.

In recent years there has been large usage of soy flour products in various parts of the world. American usage has increased. There has been a growing realization, both in public and in government, that edible soy protein is the key to providing low-cost protein to millions whose diets are dangerously low in proteins.

In the past few years various types of scientific research on soy flour have been or are being carried on, in the following institutions: the University of Illinois, Purdue University, the University of Minnesota, Kansas State College, Pittsburgh University, Mid-West Laboratories, the U. S. Regional Laboratories, and elsewhere.

This work is far more than matched by the studies conducted in the large laboratories of private companies.

Today soy flour is used in many food articles including:

Bakery products, breakfast foods, candies, chocolate, diabetic foods, health drinks, ice-cream cones, ice-cream powder, infant foods, macaroni and spaghetti products, meat products, prepared mixes and pet foods.



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OFFICIAL STANDARDS FOR SOYBEANS*

(U. S. Department of Agriculture, Effective Sept. 1, 1949)

For the purposes of the official grain standards of the United States for soybeans:

(a) *Soybeans.* Soybeans shall be any grain which consists of 50 percent or more of threshed soybeans and not more than 10.0 percent of other grains. Threshed soybeans shall be whole or broken soybeans which are not removed in the determination of foreign material.

(b) *Classes.* Soybeans shall be divided into the following five classes: yellow soybeans, green soybeans, brown soybeans, black soybeans, and mixed soybeans.

(c) *Yellow soybeans.* Yellow soybeans shall be any soybeans with yellow or green seed coats, which in cross section are yellow or have a yellow tinge, and may include not more than 10.0 percent of soybeans of other classes.

(d) *Green soybeans.* Green soybeans shall be any soybeans with green seed coats which in cross section are green, and may include not more than 10.0 percent of soybeans of other classes.

(e) *Brown soybeans.* Brown soybeans shall be any soybeans with brown seed coats, and may include not more than 10.0 percent of soybeans of other classes.

(f) *Black soybeans.* Black soybeans shall be any soybeans with black seed coats, and may include not more than 10.0 percent of soybeans of other classes.

(g) *Mixed soybeans.* Mixed soybeans shall be any mixture of soybeans which does not meet the requirements for the classes of yellow soybeans, green soybeans, brown soybeans, or black soybeans. Bicolored soybeans shall be classified as mixed soybeans.

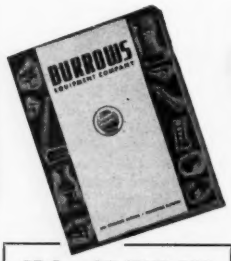
(h) *Grades and grade designations.* Grades shall be the numerical grades, sample grade, and special grades provided for in § 26.603.

(i) *Bicolored soybeans.* Bicolored soybeans shall be any soybeans with seed coats of two colors, one of which is black or brown.

(j) *Splits.* Splits shall be pieces of soybeans.

(k) *Damaged kernels.* Damaged kernels shall be soybeans, pieces of soybeans, and kernels and pieces of kernels of other grains which are heat-damaged, sprouted, frosted, badly ground-damaged, badly weather-dam-

*The specifications of these standards shall not excuse failure to comply with the provisions of the Federal Food, Drug, and Cosmetic Act (21 U. S. C. 301 et seq.).



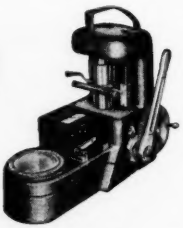
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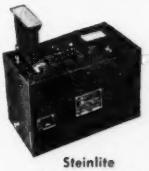
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aged, moldy, diseased, or otherwise materially damaged.

(l) *Other grains.* Other grains shall be barley, corn, flaxseed, grain sorghums, oats, rye, wheat, buckwheat, einkorn, emmer, Polish wheat, popcorn, poulard wheat, rice, spelt, sweet corn, and wild oats.

(m) *Foreign material.* Foreign material shall be all matter, including soybeans and pieces of soybeans, which will pass readily through a sieve 0.032 inch thick with round perforations 0.125 (8/64) inch in diameter, and all matter other than soybeans remaining on such sieve after sieving.

(n) *Stones.* Stones shall be concreted earthy or mineral matter and other substances of similar hardness that do not disintegrate readily in water.

§ 26.602 *Principles governing application of standards.* The following principles shall apply in determination of the classes and grades of soybeans:

(a) *Basis of determination.* Each determination of class, splits, and damaged kernels, shall be upon the basis of the grain when free from that part of foreign material which can be removed readily by the use of a sieve 0.032 inch thick with round perforations 0.125 (8/64) inch in diameter. All other determinations shall be upon the basis of the grain as a whole.

(b) *Percentages.* Percentages shall be upon the basis of weight.

(c) *Percentage of moisture.* Percentage of moisture shall be ascertained by the air oven and the method of use thereof described in Service and Regulatory Announcements No. 147 (revised August 1941), issued by the Agricultural Marketing Service (now Production and Marketing Administration) of the United States Department of Agriculture, or ascertained by any device and method which give equivalent results.

(d) *Percentage of splits.* The percentage of splits shall be expressed in whole percent and any fraction of a percent shall be disregarded.

(e) *Test weight per bushel.* Test weight per bushel shall be the weight per Winchester bushel, as determined by the testing apparatus and the method of use thereof described in Bulletin No. 1065, dated May 18, 1922, issued by the United States Department of Agriculture, or as determined by any device and method which give equivalent results.

§26.603. *Grade requirements.* The following grade requirements are applicable under these standards:

(a) *Numerical grades, sample grades, and grade requirements for all classes of soybeans.*

(b) *Special grades, special grade requirements, and special grade designations for all classes of soybeans*—(1) *Garlicky soybeans*—(i) *Requirements.* Garlicky soybeans shall be soybeans which contain 5 or more garlic bulblets in 1,000 grams of soybeans.

(ii) *Grade designation.* Garlicky soybeans shall be graded and designated according to the grade requirements of the standards applicable to such soybeans if they were not garlicky, and there shall be added to and made a part of the grade designation the word "Garlicky."

(2) *Weevily soybeans*—(i) *Requirements.* Weevily soybeans shall be soybeans which are infested with live weevils or other live insects injurious to stored grain.

(ii) *Grade designation.* Weevily soybeans shall be graded and designated according to the grade requirements of the standards applicable to such soybeans if they were not weevily, and there shall be added to and made a part of the grade designation the word "Weevily."

Grade	Minimum test weight per bushel	Maximum limits of—			
		Moisture	Splits	Damaged kernels (soybeans and other grains)	Foreign material
	Pounds	Percent	Percent	Percent	Percent
No. 1[1]	56	13.0	10	2.0	2.0
No. 2[1]	54	14.0	20	3.0	3.0
No. 3[1]	52	16.0	30	5.0	4.0
No. 4[2]	49	18.0	40	8.0	6.0

Sample grade: Sample grade shall be soybeans which do not meet the requirements for any of the grades from No. 1 to No. 4, inclusive; or which are musty, or sour, or heating; or which have any commercially objectionable foreign odor; or which contain stones; or which are otherwise of distinctly low quality.

[1]The soybeans in grade No. 1 of the class Yellow Soybeans may contain not more than 1.0 percent, in grade No. 2 not more than 2.0 percent, and in grade No. 3 not more than 5.0 percent of Green, Black, Brown, or bicolored soybeans, either singly or in any combination.
[2]Soybeans which are materially weathered shall not be graded higher than No. 4.

SOY FLOUR STANDARDS

	Full-Fat Soy Flour	Low-Fat Soy Flour	Defatted Soy Flour
Protein (Nx6.25)*	40.0% Min.	45.0% Min.	50.0% Min.
Protein (Nx5.7)*	36.5% Min.	41.0% Min.	45.0% Min.
Fat (Ether Extract)*	18.0% Min.	1.5% Min. 9.0% Max.	2.0% Max.
Fibre*	3.0% Max.	3.3% Max.	3.5% Max.
Moisture	8.0% Max.	8.0% Max.	8.0% Max.
Ash*	5.5% Max.	6.5% Max.	6.5% Max.

Screen—97% through No. 100 U. S. Standard Screen for each of the above.
*Moisture free basis.
Approved and adopted by the Soya Food Research Council.

DEFINITION

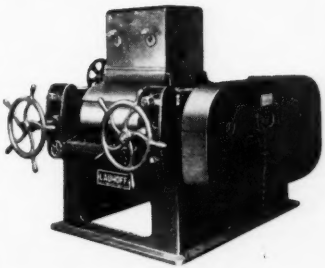
The products shall be processed from high quality, sound, clean, dehulled yellow soybeans as defined in the United States Grain Standards Act. The soybeans shall be subjected to a thorough initial cleaning operation that shall substantially remove all foreign material. Disagreeable flavors and odors shall be removed by subjecting the soya material to adequate processing.

Soy flour shall be prepared and packaged under modern sanitary conditions.

The soy flour shall be free from burnt, musty, rancid or other undesirable flavors or odors; free from burnt, scorched, or grayish color; and free from insects, insect webbing, dirt or other extraneous matter.

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U. S. DEPARTMENT OF AGRICULTURE

USDA agencies with relationship to soybeans (Washington 25, D. C., unless otherwise noted).

Bureau of Agricultural Economics
Division of Field Crop Statistics; Division of Statistical and Historical Research; Division of Farm Management and costs.

Office of Foreign Agricultural Relations
International Commodities Branch; Fats and Oils Division.

Production and Marketing Administration
Grain Branch; Market News and Services Division; Seed Act Division, Beltsville, Md.
Agricultural Conservation Programs Branch.
Fats and Oils Branch.

Agricultural Research Administration
Bureau of Agricultural and Industrial Chemistry: Northern Regional Research Laboratory, Peoria, Ill., R. T. Milner, director*; Southern Regional Research Laboratory, New Orleans, La., C. H. Fisher, director.
Bureau of Animal Industry: Animal Husbandry Division, Beltsville, Md.
Bureau of Dairy Industry: Division of Nutrition and Physiology, Beltsville, Md.
Bureau of Entomology and Plant Quarantine: Division of Cereal and Forage Insect Investigations.
Bureau of Human Nutrition and Home Economics: Food and Nutrition Division, Beltsville, Md.
Bureau of Plant Industry, Soils and Agricultural Engineering, Beltsville, Md.: Division of Cereal Crops and Diseases; M. G. Weiss, soybean project leader Division of Forage Crops and Diseases; Division of Plant Exploration and Introduction; U. S. Regional Soybean Laboratory, Urbana, Ill., J. L. Cartter, director.*

*See following for complete listing.

NORTHERN REGIONAL RESEARCH LABORATORY
Address: Peoria 5, Ill.
Director: R. T. Milner.
Assistant Director: H. E. Roethe.

Oil and Protein Division—Dr. J. C. Cowan, head.
Investigations are conducted on both the fundamental and practical aspects of the flavor stability of the oil, on the modification of soybean oil, meals, flour and protein for foods, and protective coatings and other industrial uses.

Analytical and Physical Division—Dr. Frederic R. Senti, head.
Research work on soybeans in this division consists of development of new and improved physical and chemical methods of analysis of soybeans and their products with principal attention to the oil. Liaison between the Northern Regional Research Laboratory and state experiment stations is also conducted by this division.

Fermentation Division—Dr. R. W. Jackson, head.
The soybean research of this division includes evaluations of soybean products and byproducts as nutritional supplements for microorganisms and utilized in fermentation processes. The division is interested also in fermented soybean products for food and has done considerable work on soya sauce.

Engineering and Development Division—Dr. C. T. Langford, head.
The soybean research of this division is conducted on a pilot-plant scale in its oilseed section. The work at present covers fractionation of methyl esters by liquid-liquid extraction; improvements in the refining of soybean oil for edible purposes; the extraction of oil from soybeans by use of alcohol as a solvent; and the effect of processing variables on the nutritive value of soybean oil meal.

U. S. REGIONAL SOYBEAN LABORATORY
Address: 205 Old Agriculture Bldg., University of Illinois, Urbana, Ill.

Director: Cartter, J. L.

Staff: Collins, Floyd I., chemist; Krober, Orland A., chemist; McAlister, Dean F., physiologist; Williams, Leonard F., breeder; Younger, Carolyn, secretary.

FIELD

**Adams, M. W., Agricultural Exp. Station, Brookings, S. Dak.

**Brown, Otto, Gulf Coast Substation, Fairhope, Ala.

**Gibson, P. G., Agricultural Exp. Station, Auburn, Ala.

**Gore, Ulys R., Agricultural Exp. Station, Experiment, Ga.

**Gray, John P., Agricultural Exp. Station, Baton Rouge, La.

Hartwig, Edgar E., coordinator for Southern states, Delta Exp. Station, Stoneville, Miss.

**Harvey, Clark, Agricultural Exp. Station, College Station, Tex.

Johnson, Herbert W., Dept. of Agronomy, N. C. State College, Raleigh, N. C.

**Lambert, Jean W., Agricultural Exp. Station, University Farm, St. Paul 8, Minn.

**Nelson, Leyton V., Agricultural Exp. Station, East Lansing, Mich.

**Paden, William R., Agricultural Exp. Station, Clemson, S. C.

Probst, Albert H., Agricultural Exp. Station, Lafayette, Ind.

**Saboe, Lewis C., Dept of Agronomy, Ohio State University, Columbus, Ohio.

**Skold, L. N., Agricultural Exp. Station, Knoxville, Tenn.

**Smith, R. L. N., Florida Agricultural Exp. Station, Quincy, Florida.

**Smith, T. J., Agricultural Exp. Station, Blacksburg, Va.

*Stephens, James L., Coastal Plain Exp. Station, Tifton, Ga.

**Stoa, Theodore E., Agricultural Exp. Station, Fargo, N. Dak.

**Swift, Donald, Agricultural Exp. Station, Stillwater, Okla.

**Torrie, James H., Dept. of Agronomy, University of Wisconsin, Madison 6, Wis.

Weber, Charles R., Agronomy-Farm Crops, Iowa State College, Ames, Iowa.

**Zahnley, J. W., Dept. of Agronomy, Agr. Exp. Station, Manhattan, Kans.

**Hanway, Donald G., Agricultural Exp. Station, Lincoln 1, Nebr.

**Kramer, Herbert H., Agricultural Exp. Station, LaFayette, Ind.

**O'Kelly, J. Fred, Agricultural Exp. Station, State College, Miss.

**Pettigrove, Herbert R., Agricultural Exp. Station, East Lansing, Mich.

---

*Part time with Soybean Laboratory.
**Collaborator without pay.

U. S. DEPARTMENT OF AGRICULTURE—Continued

SOYBEAN DISEASE RESEARCH

Address: Beltsville, Md.

Kreitow, Kermit W., coordinator of all disease work in the Division of Forage Crops and Diseases.

Sherwin, H. S., Plant Industry Station.

FIELD

Allison, J. Lewis, Plant Pathology, Box 5397, N. C. State College, Raleigh, N. C.

***Athow, Kirk L., Agricultural Exp. Station, LaFayette, Ind.

**Atkins, J. G., Agricultural Exp. Station, Baton Rouge, La.

Chamberlain, Donald W., Regional Soybean Laboratory, Urbana, Ill.

***Crall, James M., Dept. of Botany & Plant Path., Agr. Exp. Sta., Ames, Iowa.

Johnson, Howard W., Delta Exp. Station, Stoneville, Miss.

**Kernkamp, M. F., University Farm, Univ. of Minnesota, St. Paul 1, Minn.

**Lehman, S. G., Agricultural Exp. Station, Raleigh, N. C.

**Tucker, C. M., Agricultural Exp. Station, Columbia, Mo.

Weimer, James L., Agricultural Exp. Station, Experiment, Ga.

***Part time with Division of Forage Crops and Diseases.

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TERMINOLOGY

Definitions and Product Descriptions for the Soybean Industry

SOYBEAN—The soybean is a legume the preferred name of which is **Soja max.** It has been grown since prehistoric times in China and was first introduced into the United States early in the 19th century. The term "soybean" has been accepted as standard in the U. S. in preference to Oriental and other forms such as: soya bean, soy bean, soyabean and soja bean. It is incorrect to use the word "beans" when referring to soybeans. There are many kinds of beans: lima beans, string beans, baked beans, kidney beans, etc., and market quotations may refer to navy beans or white beans.

SOYBEAN PROCESSOR—A man or firm who makes a business of removing oil from soybeans. The word "processor" has been adopted by the industry in preference to older terms applied to various branches of the vegetable oil milling industry, such as crushers, pressers and millers.

PROCESSES—Three processes are employed in the U. S. in removing soybean oil from soybeans. They are:

1. **Screw Press Process**—A continuous pressing process, at elevated temperatures, which utilizes a worm shaft continuously rotating within a pressing cylinder or cage to express the oil from soy beans after they have been crushed and properly dried. The term "Expeller" is copyrighted by the V. D. Anderson Co. of Cleveland, Ohio, as applying to the particular type of mechanical screw press which they manufacture. Therefore it is technically incorrect to refer to all screw presses as "Expellers" and to all screw press products as "expeller" products. The French Oil Machinery Co. of Piqua, Ohio, call their screw press the mechanical screw press.

2. **Solvent Extraction Process**—A process whereby flaked soybeans are leached or extracted with petroleum hydrocarbons, alcohols or organic solvents such as hydrocarbons or chlorinated hydrocarbons, to remove the oil. Ninety-five to ninety-eight percent of the oil in the soybeans is recovered by this process whereas the screw press and the hydraulic processes remove about 75 to 80 percent. This is the most recently developed process. The products are known in the trade as extracted products; for example, extracted soybean oil and extracted soybean oil meal. The Association of Feed Control Officials has recently ruled, however, that soybean oil meal processed in this manner for the feed trade shall be labeled "solvent extracted soybean oil meal." The term "new process" was formerly used to designate products of this process.

3. **Hydraulic Process**—An intermittent pressing operation carried out at elevated temperatures in a hydraulic press after the beans have been rolled into flakes and cooked. It is the oldest process employed in the vegetable oil milling industry. It is often referred to as the "old process" and its products such as oil cake and oil meal are often referred to as "old process" products.

SOYBEAN OIL—There are several types of soybean oil which might be broadly classified as follows:

1. **Crude Raw Soybean Oil**—This is sometimes correctly referred to as crude soybean oil. This product is the unrefined crude oil of any one of the three processes. It is customary to filter and/ or settle the oil after it has come from the process, as the standard trade specifications exact this procedure.

There are three types of crude raw soybean oil:

Crude extracted soybean oil.

Crude screw press soybean oil.

Crude hydraulic pressed soybean oil.

2. **Edible Refined Soybean Oil.**—As the name implies this is a refined soybean oil which has been subjected to special treatment for use in food products. While there are some innovations being introduced the conventional refining procedure for producing edible refined soybean oil is carried out in four steps. They are alkali refining, bleaching, winterizing and deodorizing. Edible refined soybean oils are further classified as salad oils and cooking oils, and are also used in the manufacture of a variety of mayonnaise, relish and sandwich spreads.

3. **Hydrogenated Soybean Oil**—As the name implies this product has been subjected to hydrogenation which results in changing a liquid oil to a plastic semi-solid fat. Hydrogenated soybean oil is used in both the edible and technical fields. In the edible field, hydrogenated soybean oil is found on the market in the form of vegetable shortenings and margarine. The hydrogenation step is usually carried out in conjunction with other refining operations.

4. **Technical Refined Soybean Oils—for the technical trade**—There are a wide variety of oils in this group involving individual or combined processes which according to trade usage or technical requirements may be broadly classified as follows:

a. Water washed
b. Centrifuged, clarified and degummed
c. Acid refined
d. Alkali refined
e. Bleached
f. Kettle bodied or polymerized
g. Air blown or oxidized
h. Sulfonated
i. Chlorinated
j. Catalytic refined
k. Solvent refined: 1. Pittsburgh Plate Glass Co. patented process; 2. M. W. Kellogg Co., patented process (Solexol).
l. Molecular distilled (Distillation Products Inc., patented process).

5. **Soybean Fatty Acids**—When the glycerine in soybean oil is split off by any method of hydrolysis, fatty acids are obtained which may be classified as follows according to the subsequent treatment to which they have been subjected:

a. Crude mixed soybean fatty acids

b. Distilled soybean fatty acids

c. Fractionally distilled soybean fatty acids (Armour & Co. patented process)

d. Solvent fractionated soybean fatty acids

e. Low temperature crystallized soybean fatty acids

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6. **Soybean Soap Stocks**—Soap stock is the by-product that results from the alkali refining of soybean oil.

a. Soybean soap stock—contract grade should contain not less than 30% total fatty acid.

b. Acidulated soybean soap stock—contract grade should contain not less than 85% total fatty acid.

SOYBEAN LECITHIN—Soybean lecithin as offered to the trade is actually a mixture of lipid materials and consists of lecithin, cephalin, and inositol phosphatides together with glycerides and traces of tocopherols, glucosides and pigments.

The mixture is usually obtained from crude extracted soybean oil by what is known as a degumming process. The carefully filtered crude oil is agitated with hot water and the hydrated and emulsified phosphatides are separated by a centrifuge. The emulsion is then dehydrated by heat and vacuum. The emulsion may also be subjected to additional treatments to produce the commercial grades to which the following descriptive terms may be applied:

Plastic or firm consistency; soft consistency; fluid; unbleached; bleached; and double bleached.

The two types of lecithin as recognized by the trade are:

1. **Crude Soybean Lecithin**—All grades of soybean lecithin obtained by the above or similar processing methods may be listed as crude soybean lecithins for such purposes as freight tariff classification.

2. **Refined Lecithin**—Refined lecithins are obtained by drying phosphatide mixtures and washing them with acetone to remove any oil or fatty acids originally included in the mixture. The acetone washed product may be finished for sale in two forms, namely:

a. Dry, oil-free lecithin.

b. Lecithin with another oil or fat substituted as a carrier in place of the oil originally found in the phosphatide mixture, e.g., lecithin with cocoa butter carrier.

BREAK MATERIAL—The material that separates from crude oil when it is heated to 550° F. It is mainly phosphatides and mucilaginous materials and their decomposition products.

SLUDGE—Sludge is the solid residue which cannot be pumped or squeegeed from the car or tank.

SOYBEAN FEEDS—Standard definitions adopted by the American Feed Control Officials, Inc., and the National Soybean Processors Association, with some modifications and revisions.

1. **Ground Soybeans**—The product obtained by grinding whole soybeans without cooking or removing any of the oil. (This product is sometimes erroneously called soybean meal, thus confusing it with soybean oil meal.)

2. **Soybean Oil Cake or Soybean Oil Chips**—The product obtained from soybeans after removal of part of the oil by pressure. A name descriptive of the process of manufacture, such as screw press or hydraulic press, shall be used as part of the brand name. It shall be designated and sold according to its protein content.

3. **Solvent Extracted Soybean Flakes**—The product obtained after extracting part of the oil from soybeans by the use of solvents. It shall be designated and sold according to its protein content.

4. **Soybean Oil Meal**—Soybean oil cake or soybean oil chips that have been ground, or solvent extracted soybean flakes that have been cooked and ground. A name descriptive of the process of manufacture, such as screw press, hydraulic, or solvent extracted shall be used in the brand name.

5. **Screw Press Soybean Oil Chips** — The product obtained after expressing part of the oil from soybeans by crushing, cooking and mechanical pressure using an expeller, screw press, or any other mechanical press. It shall be designated and sold according to its protein content.

6. **Screw Press Soybean Oil Meal**—The product obtained by grinding screw press soybean oil chips. It shall be designated and sold according to its protein content.

7. **Hydraulic Soybean Oil Cake** — The product obtained after expressing part of the oil from soybeans by crushing, cooking, and hydraulic pressure. It shall be designated and sold according to its protein content.

8. **Hydraulic Soybean Oil Meal** — The product obtained by grinding hydraulic soybean oil cake. It shall be designated and sold according to its protein content.

9. **Solvent Extracted Soybean Oil Meal**—The product obtained after cooking and grinding solvent extracted soybean flakes. It shall be designated and sold according to its protein content.

10. **Soybean Mill Feed**—The by-product resulting from the manufacture of soybean flour or grits and is composed of soybean hulls and the offal from the tail of the mill.

11. **Soybean Hulls**—The product consisting of the outer covering of the soybean.

12. **Solvent Extracted Soybean Feed**—The material obtained as a residue after the partial removal of protein and nitrogen-free extract from solvent extracted soybean flakes or solvent extracted soybean oil meal. It shall be designated and sold according to its protein content.

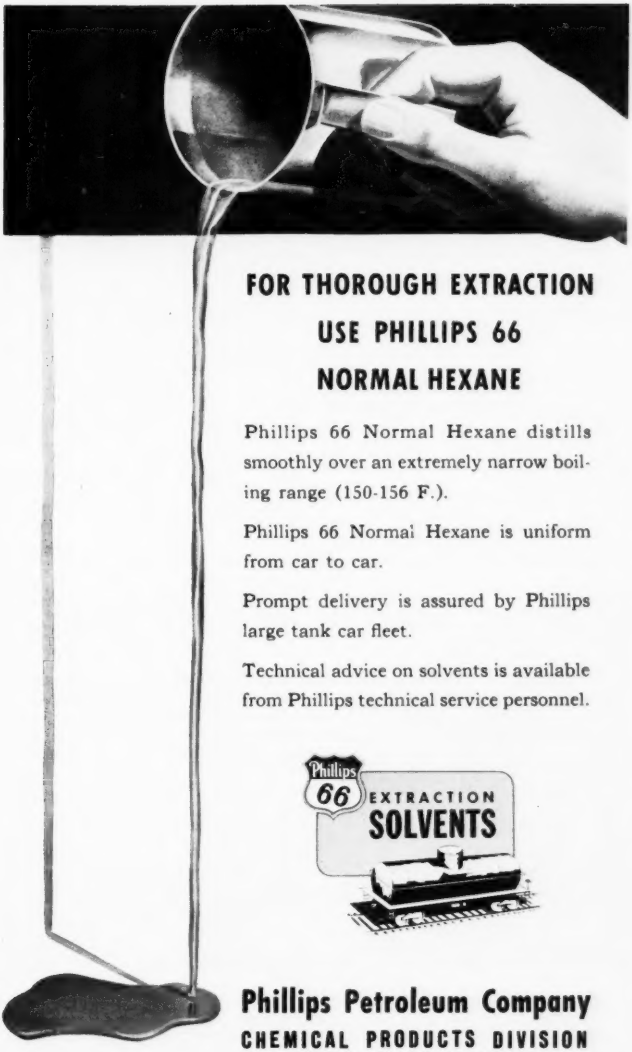
13. **Dehulled Solvent Extracted Soybean Flakes**—The product obtained from cleaned, dehulled soybeans after extracting part of the oil by the use of solvents. It shall contain not more than 3 percent crude fiber and shall be designated and sold according to its protein content. (Tentative).

14. **Dehulled Solvent Extracted Soybean Oil Meal**—The product obtained from grinding and carefully grading dehulled solvent extracted soybean flakes. It shall contain not more than 3 percent crude fiber and shall be designated and sold according to its protein content. (Tentative).

15. **Soybean Cubes or Pellets**—Soybean oil meal which has been processed through a cubing or pelleting machine. The product shall be firm but not flinty, of sweet odor and free from mold. It must be designated and sold according to its protein content and its name must include one of the terms, "hydraulic," "expeller," or "solvent extracted" to specify the method of manufacture of the source material. (Tentative.)

FEEDS—Standard specifications of the National Soybean Processors Association.

1. **Soybean Chips, Soybean Oil Cake, and 41% Protein Soybean Oil Meal**—Produced by cooking ground soybeans and reducing the oil content of the cooked product by



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Phillips 66 Normal Hexane distills smoothly over an extremely narrow boiling range (150-156 F.).

Phillips 66 Normal Hexane is uniform from car to car.

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CHEMICAL PRODUCTS DIVISION
Bartlesville, Oklahoma

pressure to 6% or less on a commercial basis. Standard specifications are as follows:

Protein	Minimum 41.0%
Fat	Minimum 3.5%
Fiber	Maximum 7.0%
N.F.E.	Minimum 27.0%
Moisture (when shipped by Seller)	Maximum 12.0%

2. **Soybean Flakes and 44% Protein Soybean Oil Meal**—Produced by conditioning ground soybeans and reducing the oil content of the conditioned product by the use of solvents to 1% or less on a commercial basis. Standard specifications are as follows:

Protein	Minimum 44.0%
Fat	Minimum 0.5%
Fiber	Maximum 7.0%
N.F.E.	Minimum 27.0%
Moisture (when shipped by Seller)	Maximum 12.0%

SOY FLOUR—The name soy flour is a misnomer. Soy protein would better express the type of product. But change of the name now would be difficult. There are three types of soy flour, as follows:

1. **Full Fat Soy Flour**—As it is not processed for oil extraction, it contains all of the fat originally found in the soybean, or over 20 percent. Higher in calorie content than the low fat or defatted types.
2. **Low Fat Soy Flour**—Made by a continuous mechanical pressing method in which the greater part of the oil is removed.
3. **Defatted Soy Flour**—Made by solvent extraction process. Contains less than 2 percent fat. Protein content of this type ranges up to 53 percent.

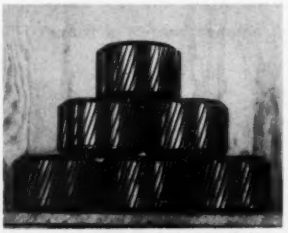
SOY FLAKES—Produced by the solvent extraction process. The particle size can be varied within production limits to meet specifications and trade demands.

SOY MEATS AND GRITS—Meats correspond to full fat soy flour and grits to low fat flour, except that they are coarsely, not finely ground.

SOYBEAN PROTEINS

1. **Soybean Protein Flakes**—Full fiber soybean flakes freed of oil by solvent extraction and dried by processes which denature the protein to a minimum extent so that a high percentage of it remains soluble or dispersible in water. The flakes are usually ground to fine particle size before being used.
2. **Mechanically Refined Soybean Protein Flakes**—Flakes processed in the same manner as soybean protein flakes except that hulls are removed and the fiber content reduced by mechanical means.
3. **Isolated Soybean Protein**—Obtained by treating soybean protein flakes chemically so as to remove cellulose, sugar and other non-protein ingredients. Used in water emulsion paints and paper coatings.
4. **Soy Albumins**—Water dispersible soybean protein modified for use in whipping compounds or as aerating agents. Used in meringues, marshmallows and other confections.
5. **Gelsoy**—Developed by the Northern Regional Research Laboratory. Obtained by washing soybean protein flakes with alcohol and extracting the protein with water. Besides having good whipping characteristics Gelsoy forms gels which are irreversible after being heated. These properties should earn for it wide acceptance in the food industry and in technical applications.

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Rebuilt pellet rolls ready for installation.

We rebuild pellet rolls by automatic welding. We slot diagonally instead of straight across. This reduces the friction on the inner surface of the roll and gives more uniform wear on the dies. It also increases the life 3 to 1 over new rolls. It increases production more than 30 per cent by giving less down time and more production.

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WEIGHTS AND MEASURES

SOYBEANS

1 bushel.....60 pounds (legal weight)
Minimum test weight 56 pounds

1 cubic foot.....45 pounds
(Figured at 56 pounds test weight).

SOYBEAN OIL

1 cubic foot.....56.84 to 57.97 pounds

Figures supplied by different processors of soybeans. Density of soybean oil varies slightly with different lots and considerably with temperature. It is reported to range from 0.922 to 0.934 gram per cc. at 49° F.; and from 0.915 to 0.920 at 77° F.

One firm reports the following pounds-per-cubic-foot weights of soybean oil at various temperatures

60° F.	57.62
70° F.	57.39
100° F.	56.73

SOYBEAN LECITHIN

1 cubic foot.....65.82 pounds

SOYBEAN OIL MEAL

Expeller, 41%

1 cubic foot.....38 pounds

Solvent Extracted, 44%

1 cubic foot.....36 to 38 pounds

Above figures are given by most processors queried. However one processor lists both 41% and 44% soybean oil meal as weighing 41.12 pounds per cubic foot. Meals of higher protein content generally weigh above 40 pounds per cubic foot. Bulk density of soybean oil meals varies according to particle size and moisture content, percentage of hulls, amount of vibration to which container is subjected during filling, temperature, granulation and age of sample.

SOYBEAN PELLETS

44%, ¼-inch to ⅝-inch

1 cubic foot.....41.12 pounds

44%, 1-inch

1 cubic foot.....38.55 pounds

SOY FLOUR, DEFATTED

1 cubic foot.....30.84 pounds

Figures for soybean pellets and soy flour are from one processor only.

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A complete line - to help you do that handling job better - faster. Conveyors and chains of all kinds; crushers and pulverizers; Packers; Feeders; Dryers and Coolers; Screens, etc. Literature and more complete data upon request.



Bucket Elevators and Buckets Spiral Conveyors and Flights



A type and size chain for every need.



Car Pullers in two sizes for moving from 1 to 6 cars.





Belt Idlers for troughing or flat belts - width from 24" to 60". Jeffrey Belt Conveyors speed all sorts of material on its way at minimum cost.

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Baltimore 2	Chicago 1	Harlan, Kentucky	Philadelphia 3
Beckley, W. Va.	Cincinnati 2	Houston 2	Pittsburgh 22
Birmingham 3	Cleveland 15	Jacksonville 2	Salt Lake City 1
Boston 16	Denver 2	Milwaukee 2	St. Louis 1
Buffalo 2	Detroit 13	New York 7	Scranton 3

SOYBEAN PRODUCTION—UNITED STATES

SOYBEANS: ACREAGE, YIELD AND PRODUCTION IN THE UNITED STATES, 1924-50

Year	Acres Planted — Grown Alone	Acres Planted — Inter-planted*	Acres Planted — Equivalent Solid**	Acres Harvested For Beans**	Acres Harvested For Hay	Grazed or Plowed Under	Average Yield Per Acre Harv. For Beans	Average Yield Per Acre Harv. For Hay	Total Production For Beans	Total Production For Hay
	Thousand Acres			Thousand Acres			Bushels	Tons	Bushels Thousand	Tons Thousand
1924	1567	417	1782	448	1147	187	11.0	1.13	4947	1299
25	1539	476	1785	415	1175	195	11.7	1.01	4875	1185
26	1871	502	2127	466	1431	230	11.2	1.18	5239	1687
27	2057	571	2350	568	1556	226	12.2	1.18	6938	1837
28	2154	556	2439	579	1609	251	13.6	1.23	7880	1974
29	2429	743	2807	708	1774	325	13.3	1.16	9438	2051
1930	3072	786	3473	1074	2062	337	13.0	.94	13929	1938
31	3835	909	4304	1141	2772	391	15.1	1.26	17260	3479
32	3704	893	4165	1001	2738	426	15.1	1.25	15158	3433
33	3537	813	3957	1044	2506	407	12.9	1.16	13509	2917
34	5764	858	6207	1556	4227	424	14.9	1.08	23157	4545
35	6966	1028	7503	2915	4044	544	16.8	1.34	48901	5422
36	6127	2115	7183	2359	3116	1708	14.3	.96	33721	3002
37	6332	2261	7464	2556	3469	1409	17.9	1.36	46164	4731
38	7318	2541	8587	3035	3724	1828	20.4	1.43	61906	5335
39	9565	2710	10920	4315	4590	2015	20.9	1.48	90141	6772
1940	10487	2589	11782	4807	4819	2156	16.2	1.34	78045	6450
41	10068	2555	11345	5889	3546	1910	18.2	1.30	107197	4616
42	13696	2426	14912	9894	2621	2397	19.0	1.36	187524	3555
43	14191	2475	15428	10397	3177	1854	18.3	1.21	190133	3837
44	13118	1861	14050	10232	2583	1235	18.8	1.18	191958	3041
45	13007	1537	13777	10661	1939	1177	18.0	1.28	192076	2476
46	11662	1530	12427	9806	1533	1088	20.5	1.29	201275	1984
47	12956	1506	13709	11212	1333	1164	16.4	1.22	183558	1631
48	11843	1390	12538	10430	1160	948	21.4	1.34	223006	1550
49	11628	1346	12301	10156	1168	977	22.7	1.40	230897	1633
1950§	14704	1408	15408	13291	1151	966	21.6	1.33	287010	1533

* Grown with other crops.
** Acreage grown alone, with an allowance for acreage grown with other crops.
§ Preliminary.
Source of data: Bureau of Agricultural Economics, U. S. Department of Agriculture.

SOYBEANS: ACREAGE, YIELD AND PRODUCTION IN THE UNITED STATES, BY STATES, 1950*

State	Acres Planted — Grown Alone	Acres Planted — Inter-planted**	Acres Planted — Equivalent Solid†	Acres Harvested For Beans†	Acres Harvested For Hay	Grazed or Plowed Under	Average Yield Per Acre Harv. For Beans	Average Yield Per Acre Harv. For Hay	Total Production For Beans	Total Production For Hay
	Thousand Acres			Thousand Acres			Bushels	Tons	Bushels Thousand	Tons Thousand
United States	14704	1408	15408	13291	1151	966	21.6	1.33	287010	1533
Alabama	195	10	200	90	90	20	18.0	1.05	1620	94
Arkansas	629	176	717	556	82	79	21.0	1.30	11676	107
Delaware	65	....	65	46	12	7	14.0	1.30	644	16
Georgia	92	52	118	24	35	59	8.5	.95	204	33
Illinois	4091	....	4091	3948	118	25	24.0	1.30	94752	153
Indiana	1702	....	1702	1591	85	26	22.0	1.45	35002	123
Iowa	1960	....	1960	1921	27	12	22.0	1.55	42262	42
Kansas	370	....	370	359	4	7	18.0	1.70	6462	7
Kentucky	196	22	207	108	75	24	17.5	1.65	1890	124
Louisiana	111	354	288	40	32	216	18.0	1.25	720	40
Maryland	80	....	80	41	32	7	16.0	1.45	656	46
Michigan	122	....	122	117	2	3	19.5	1.30	2282	3
Minnesota	1101	....	1101	1057	30	14	15.5	1.40	16384	42
Mississippi	438	98	487	282	131	74	24.0	1.35	6768	177
Missouri	1175	106	1228	1191	25	12	23.0	1.55	27393	39
Nebraska	50	....	50	46	1	3	24.0	1.45	1104	1
New Jersey	29	....	29	14	9	6	19.0	1.60	266	14
New York	7	....	7	6	....	1	18.0	....	108	....
North Carolina	418	206	521	301	122	98	17.0	1.10	5117	134
North Dakota	44	....	44	41	2	1	10.5	1.20	430	2
Ohio	1100	....	1100	1056	28	16	22.0	1.60	23232	45
Oklahoma	29	2	30	21	6	3	17.0	1.30	357	8
Pennsylvania	44	....	44	17	20	7	17.0	1.65	289	33
South Carolina	82	92	128	44	36	48	12.0	.95	528	34
South Dakota	68	....	68	66	1	1	12.5	1.20	825	1
Tennessee	274	184	326	150	70	106	21.0	1.40	3150	98
Texas	10	....	10	....	2	8	.75	....	....	2
Virginia	176	106	229	133	23	73	19.0	1.40	2527	32
West Virginia	16	....	16	1	13	2	13.5	1.55	14	20
Wisconsin	70	....	70	24	38	8	14.5	1.65	348	63

*Preliminary.
**Grown with other crops.
†Acreage grown alone, with an allowance for acreage grown with other crops.
Source of data: Bureau of Agricultural Economics, U. S. Department of Agriculture.

YOU CAN GET:

- ✓ Earlier soybean harvest
- ✓ Better crop prices
- ✓ Easy combining regardless of weeds

Spray with SHELL "EARLY FROST"

LAST YEAR 100,000 gallons of Shell "Early Frost" were used in the soybean belt. Instead of waiting for an early frost to dry the weeds and beans, growers sprayed their acreage with the new Shell defoliant.

HERE'S WHAT HAPPENS:

The effect is that of a sharp frost. Weeds turn brown and dry . . . bean moisture content drops to a mildew-safe figure. Grass, weeds and stalks pass through the combine without slowing or clogging. Extra bushels are saved from shattering, and the possible weeks you save give the best market price advantage. Many farmers use the time saved to prepare their bean acreage for winter crops.

Plan to use Shell "Early Frost" this season. Write for further information on its advantages and use.

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SOYBEAN PRODUCTION—Continued

SOYBEANS: SUPPLY AND UTILIZATION IN THE UNITED STATES, 1924-50

Year Beginning October 1	Supply: Total Stocks Oct. 1*	Supply: Production**	Supply: Imports for Consumption	Supply: Total Supply†	Utilization: Seed	Utilization: Feed‡	Utilization: Processed for Oil and Meal	Utilization: Exports§	Utilization: Other Uses¶	Carryover Sept. 30, 7/
					1,000 BUSHELS					
1924-25	5	4,947	60	5,012	1,900	1,207	307	——	1,596	2
1925-26	2	4,875	71	4,948	2,289	1,174	351	——	1,134	8/
1926-27	8/	5,239	67	5,306	2,525	1,311	335	——	1,133	2
1927-28	2	6,938	70	7,010	2,687	1,631	559	——	2,133	8/
1928-29	8/	7,880	77	7,957	2,984	1,473	882	——	2,548	70
1929-30	70	9,438	64	9,572	3,762	1,730	1,666	——	2,298	116
1930-31	116	13,929	54	14,099	4,724	2,763	4,069	——	2,049	494
1931-32	494	17,260	49	17,803	4,633	2,867	4,725	2,161	3,295	122
1932-33	122	15,158	13	15,293	4,490	2,264	3,470	2,450	2,561	58
1933-34	58	13,509	6	13,573	7,615	2,111	3,056	——	767	26
1934-35	26	23,157	5	23,188	10,066	2,036	9,105	19	1,643	319
1935-36	319	48,901	4	49,224	8,875	3,898	25,181	3,490	7,419	361
1936-37	361	33,721	17	34,099	9,539	2,741	20,618	19	889	293
1937-38	293	46,164	3	46,460	10,947	3,273	30,310	1,392	198	340
1938-39	340	61,906	3	62,249	14,667	4,554	44,648	4,424	–7,009	965
1939-40	965	90,141	2	91,108	15,974	5,365	56,684	10,979	1,713	393
1940-41	393	78,045	1	78,439	15,141	4,999	64,056	284	–6,731	690
1941-42	690	107,197	8/	107,887	20,385	3,925	77,151	489	–72	6,009
1942-43	6,009	187,524	8/	193,533	20,980	6,016	133,454	917	19,629	12,537
1943-44	12,537	190,133	8/	202,670	19,758	5,496	142,306	962	19,995	14,153
1944-45	14,153	191,958	4	206,111	18,885	3,598	153,402	5,090	17,398	7,738
1945-46	7,738	192,076	8/	199,814	16,473	3,724	159,460	2,858	12,973	4,326
1946-47	4,326	201,275	8/	205,601	17,137	2,516	170,245	3,880	6,462	5,361
1947-48	5,361	183,558	8/	188,919	15,665	2,315	161,397	2,943	4,035	2,564
1948-49	2,564	223,006	7	225,577	15,381	2,609	183,664	23,010	–2,194	3,107
1949-50	3,107	230,897	4	234,008	19,000	2,933	195,115	13,137	955	2,868
1950-51§§	2,868	287,010								

*Factory and warehouse stocks only, through Oct. 1, 1941; total stocks, Oct. 1, 1942 and subsequently. **Crop of year listed first, e.g., the 1924 crop was 4,947,000 bushels. †Sum of stocks, production and imports. The "total supply" figures for years previous to 1942-43 are incomplete to the extent that they do not include stocks on farms, in country elevators, and at terminal markets. (Such stocks were not reported previous to Oct. 1, 1942) Figures are not adjusted for new crop soybeans used in September. Use in September of year of harvest is estimated for recent years as follows: .6 million bushels in 1947, 4.9 million bushels in 1948, 8.8 million bushels in 1949, and 2.7 million bushels in 1950. ‡Fed to livestock on farms where produced. §Data not available for years previous to 1931-32. Includes shipments to U. S. Territories in 1937-38 and subsequent years. ¶Residual item. This includes soybeans fed to livestock other than on farms where the soybeans were produced. It may also include small quantities used for human food. Prior to 1931-32 it includes exports. Prior to 1937-38 it includes shipments to U. S. territories. The minus quantities shown for three years prior to 1942-43 are explainable by the fact that there were unreported supplies (stocks, Oct. 1) on farms, in country elevators, and in terminal markets. 7/Factory and warehouse stocks only, through September 30, 1941; total stocks, Sept. 30, 1942 and subsequently. 8/ Less than 500 bushels. §§Preliminary. Source of data: Bureau of Agricultral Economics, U. S. Department of Agriculture.

VALUE OF U. S. SOYBEAN CROP

SOYBEANS FOR BEANS: Value of production, United States and specified States, 1925-50

Year	U. S.	Illinois	Iowa	Indiana	Ohio	Missouri	Minnesota
				Thousands of Dollars			
1925	11,430	3,077	260	872	571	905	——
1930	19,058	8,225	1,350	2,495	851	1,584	——
1935	35,565	18,983	4,510	4,879	1,771	1,140	76
1940	70,224	29,675	12,478	8,929	8,168	1,601	779
1941	166,042	77,411	24,341	21,337	20,336	3,462	1,752
1942	301,137	108,830	56,013	42,472	38,073	11,304	5,288
1943	345,032	129,881	65,743	46,461	45,851	15,714	5,929
1944	393,474	151,486	79,485	51,685	44,629	21,457	8,088
1945	399,698	156,416	73,143	58,889	39,925	19,843	13,501
1946	516,387	196,610	94,707	66,048	40,310	36,618	27,648
1947	612,290	221,869	98,995	92,594	59,404	31,680	46,092
1948	506,555	184,336	79,529	72,862	42,812	36,093	34,663
1949	499,743	187,162	69,345	74,061	44,479	38,154	28,332
1950*	665,590	222,667	97,203	80,505	56,918	61,634	36,864

*Preliminary.

Source of data: Bureau of Agricultural Economics, U. S. Dept. of Agriculture.

CANADIAN SOYBEAN PRODUCTION

PRODUCTION OF SOYBEAN OIL AND OILCAKE IN CANADA

Year	Soybeans Crushed Bushels	Oil Produced Pounds	Oilcake & Meal Produced Tons
1945	981,000	9,146,000	23,203
1946	1,828,000	32,152,000	42,712
1947	2,701,702	27,052,473	62,975
1948	2,537,433	26,863,917	58,383
1949	4,508,138	45,963,471	105,314

Source of data: Dominion Bureau of Statistics.

PRODUCTION OF SOYBEANS IN CANADA
1942-50

Acreage, Yield and Total Production

Year	Acreage Acres	Yield per Acre Bu.	Production Bu.
1942-44 Av.	38,580	18.8	725,300
1942	44,000	21.0	925,000
1943	35,550	16.0	569,100
1944	36,200	18.8	681,820
1945	46,200	18.3	844,000
1946	59,200	18.1	1,072,000
1947	61,000	18.2	1,110,000
1948	94,000	19.4	1,824,000
1949	103,800	25.1	2,605,000
1950	142,000	21.4	3,039,000

Production by Provinces

ONTARIO

Year	Acres	Bushels
1942-44 Av.	36,480	697,500
1942	41,490	871,290
1943	32,150	544,600
1944	35,800	676,620
1945	46,000	842,000
1946	59,200	1,072,000
1947	61,000	1,110,000
1948	94,000	1,824,000
1949	103,800	2,605,000
1950	142,000	3,039,000

MANITOBA

Year	Acres	Bushels
1942-44 Av.	1,800	26,300
1942	2,510	53,710
1943	2,500	20,00¢
1944	400	5,200
1945	200	2,00¢

(No data for years since 1945)

BRITISH COLUMBIA

Year	Acres	Bushels
1943	900	4,500

(No data for years since 1943)

Source of data: Dominion Bureau of Statistics.

WORLD SOYBEAN PRODUCTION

SOYBEANS: ACREAGE, YIELD PER ACRE, AND PRODUCTION IN SPECIFIED COUNTRIES, AVERAGE 1935-39, ANNUAL 1948-50¶¶

Continent and Country	Acreage†† Average 1935-39 1,000 acres	1948 1,000 acres	1949 1,000 acres	1950* 1,000 acres	Yield per acre Average 1935-39 Bu.	1948 Bu.	1949 Bu.	1950* Bu.	Production Average 1935-39 1,000 Bu.	1948 1,000 Bu.	1949 1,000 Bu.	1950* 1,000 Bu.
North America:												
Canada	†10	94	104	142	20.7	19.4	25.1	21.4	†207	1,824	2,605	3,039
United States**	3,042	10,430	10,156	13,291	18.5	21.4	22.7	21.6	56,167	223,066	230,897	287,010
Europe:												
Bulgaria	34	....	....	....	12.1	....	....	....	416	....	....	....
Hungary	¶7	6	....	....	16.9	15.1	....	....	¶125	90	....	....
Italy	‡	5	3	2	12.1	21.9	18.3	24.7	†1	107	52	46
Roumania	†49	....	....	....	9.5	....	....	....	†463	....	....	....
U.S.S.R. (Europe and Asia)	¶607	....	....	....	....	....	....	....	¶5,805	....	....	....
Asia:												
Turkey	¶1	5	5	5	29.0	15.3	10.6	14.9	¶37	71	50	73
China (22 provinces)	12,411	11,309	11,762	....	16.7	18.6	15.2	....	207,666	210,820	179,200	....
Manchuria	8,992	....	5,500	....	16.8	....	12.0	....	151,214	....	66,000	....
Japan	†812	584	648	734	15.4	13.8	13.8	17.1	12,499	8,085	8,928	12,566
Taiwan (Formosa)	†17	50	....	....	8.9	9.1	....	....	†151	457	....	....
Korea§	†1,921	487	658	....	10.0	10.1	10.0	....	17,654	4,924	6,654	....
Indonesia f/	889	900	872	....	10.9	10.9	11.2	....	9,731	9,847	9,737	....
Africa:												
Tanganyika	....	....	....	....	....	....	....	....	....	97	36	67
Union of South Africa	....	g/13	g/15	....	....	5.0	5.3	....	....	67	80	....
World total h/	29,100	31,700	31,300	36,130	....	....	....	....	463,900	563,200	510,170	626,000

¶¶ Years shown refer to years of harvest. Southern Hemisphere crops which are harvested in the early part of the year are combined with those of the Northern Hemisphere harvested the latter part of the same year. ††Figures refer to harvested areas as far as possible. *Preliminary. †Average of less than 5 years. **Acreage harvested for beans. ¶One year only. ‡Less than 500 acres. §Beginning with 1948 figures represent South Korea only. f/Java and Madura only prior to 1948. g/planted acreage. h/Includes estimates for the above countries for which data are not available and for minor producing countries.

Data published by Office of Foreign Agricultural Relations, U. S. Dept. of Agriculture. Prepared or estimated on the basis of official statistics of foreign governments, reports of the United States Foreign Service officers, result of office research, or other information. Prewar estimates for countries having changed boundaries have been adjusted to conform to present boundaries, except as noted.

SOYBEAN PRODUCTION

SOYBEANS: Acreage, Yield and Production 1924-50 by States

Alabama

Year	Acres Planted: Grown Alone	Acres Planted: Inter-planted*	Acres Planted: Equivalent Solid†	Acres Harvested For Beans†	Acres Harvested For Hay	Grazed or Plowed Under	Average Yield Per Acre Harv. For Beans	Average Yield Per Acre Harv. For Hay	Total Production For Beans	Total Production For Hay
	Thousand Acres			Thousand Acres			Bushels	Tons	Bushels Thousand	Tons Thousand
1924	95	25	107	3	81	23	6.5	.80	20	65
25	115	23	127	3	96	28	7.0	.60	21	58
26	115	21	125	4	100	21	4.5	1.00	18	100
27	121	22	132	5	103	24	6.0	.85	30	88
28	79	15	87	4	69	14	6.0	.85	24	59
29	111	12	117	7	96	14	6.0	.85	42	82
1930	150	14	157	8	129	20	5.0	.80	40	103
31	170	27	184	9	147	28	4.8	.95	43	140
32	105	26	118	7	97	14	6.0	.90	42	87
33	152	17	160	9	136	15	5.5	.90	50	122
34	159	15	166	10	140	16	6.0	.90	60	126
35	183	28	197	11	163	23	5.5	.90	60	147
36	252	62	283	14	207	62	6.0	.90	84	186
37	240	54	267	11	212	44	7.0	.95	77	201
38	271	60	301	10	228	63	5.5	1.05	55	239
39	262	46	285	10	230	45	6.2	.90	62	207
1940	275	37	294	11	238	45	6.5	.90	72	214
41	350	35	368	19	288	61	8.0	.95	152	274
42	290	30	305	24	217	64	8.5	.90	204	195
43	331	28	345	29	248	68	10.5	.85	304	211
44	268	22	279	30	191	58	10.0	.85	300	162
45	241	20	251	27	176	48	11.0	.90	297	158
46	236	18	245	30	175	40	16.0	1.00	480	175
47	189	15	197	41	124	32	18.0	.90	738	112
48	176	14	183	55	108	20	20.0	1.00	1100	108
49	174	13	180	61	101	18	17.0	1.05	1037	106
1950§	195	10	200	90	90	20	18.0	1.05	1620	94

Arkansas

1924	24	27	38	3	24	11	6.5	1.10	20	26
25	32	35	50	4	36	10	6.0	.90	24	32
26	42	40	62	5	46	11	7.5	1.10	38	51
27	50	56	78	5	61	12	12.5	1.15	62	70
28	57	46	80	6	59	15	10.0	1.05	60	62
29	80	58	109	6	82	21	13.0	1.00	78	82
1930	76	51	102	9	76	17	7.5	.75	68	57
31	105	61	136	14	101	21	12.0	1.15	168	116
32	92	56	120	12	84	24	8.0	.95	96	80
33	92	44	114	16	87	11	12.5	1.10	200	96
34	97	75	134	20	94	20	8.0	.70	160	66
35	116	90	161	27	104	30	11.5	.95	310	99
36	203	255	330	49	124	157	7.5	.85	368	105
37	195	285	338	71	119	148	13.0	1.15	923	137
38	242	360	422	63	137	222	12.5	1.05	785	144
39	238	405	440	44	175	221	12.5	1.15	550	201
1940	205	413	411	63	163	185	12.0	1.25	756	204
41	217	425	429	116	124	189	15.0	1.15	1740	143
42	304	400	504	217	132	155	15.0	1.20	3255	158
43	410	420	620	267	180	173	9.5	.95	2536	171
44	320	273	456	233	122	101	15.5	.95	3612	116
45	342	177	430	209	119	102	16.0	1.15	3344	137
46	369	204	471	295	81	95	18.5	1.15	5458	93
47	330	169	464	283	88	93	12.0	1.00	3396	88
48	312	145	384	264	66	54	19.5	1.30	5148	86
49	331	130	396	291	44	61	20.0	1.35	5820	59
1950§	629	176	717	556	82	79	21.0	1.30	11676	107

*Grown with other crops. †Equivalent solid acreage (acreage grown alone with an allowance for acreage grown with other crops). §Preliminary. Source of data: Bureau of Agricultural Economics, U. S. Dept. of Agriculture.

SOYBEANS: Acreage, Yield and Production 1924-50 by States

Delaware

Year	Acres Planted: Grown Alone	Acres Planted: Inter-planted*	Acres Planted: Equivalent Solid†	Acres Harvested For Beans†	Acres Harvested For Hay	Grazed or Plowed Under	Average Yield Per Acre Harv. For Beans	Average Yield Per Acre Harv. For Hay	Total Production For Beans	Total Production For Hay
	Thousand Acres			Thousand Acres			Bushels	Tons	Thousand Bushels	Thousand Tons
1924	18	....	18	12	6	....	11.0	1.00	132	6
25	18	....	18	11	7	....	15.0	1.10	165	8
26	14	....	14	8	6	....	14.0	1.05	112	6
27	21	....	21	14	7	....	16.0	1.30	224	9
28	22	....	22	13	9	....	17.0	1.30	221	12
29	23	....	23	15	8	....	14.0	1.20	210	10
1930	25	....	25	15	10	....	6.0	1.15	90	12
31	25	....	25	14	11	....	14.0	1.20	196	13
32	30	....	30	16	14	....	10.0	1.25	160	18
33	29	....	29	17	12	....	14.0	1.25	238	15
34	29	....	29	17	12	....	16.5	1.35	280	16
35	27	....	27	16	11	....	13.0	1.30	208	14
36	33	....	33	15	15	3	12.0	1.25	180	19
37	37	....	37	19	14	4	15.0	1.30	285	18
38	44	....	44	22	16	6	15.0	1.30	330	21
39	47	....	47	26	15	6	13.0	1.25	338	19
1940	48	....	48	25	16	7	12.0	1.20	300	19
41	53	....	53	30	17	6	11.5	1.30	345	22
42	66	....	66	42	18	6	16.0	1.40	672	25
43	76	....	76	29	27	10	8.5	.90	332	24
44	67	....	67	34	24	9	9.0	1.10	306	26
45	55	....	55	33	15	7	14.0	1.35	462	20
46	55	....	55	33	14	8	15.5	1.25	512	18
47	60	....	60	42	12	6	13.0	1.30	546	16
48	60	....	60	41	12	7	12.5	1.25	512	15
49	63	....	63	44	12	7	15.0	1.25	660	15
1950§	65	....	65	46	12	7	14.0	1.30	644	16

Georgia

1924	40	28	54	10	25	19	5.5	.80	55	20
25	49	42	70	12	33	25	6.5	.40	78	13
26	36	30	51	10	35	6	6.0	.91	60	32
27	51	24	63	9	44	10	6.3	.90	57	40
28	37	16	45	5	33	7	6.5	.90	32	30
29	36	24	48	8	33	7	5.5	.84	44	28
1930	56	26	69	10	50	9	5.5	.87	55	44
31	74	40	94	13	68	13	5.2	.75	68	51
32	46	43	68	7	41	20	6.0	.85	42	35
33	47	55	64	7	45	12	5.0	.82	35	37
34	50	32	66	7	48	11	6.0	.83	42	40
35	50	33	66	7	48	11	6.0	1.00	42	48
36	75	100	125	13	73	39	5.5	.83	72	61
37	75	120	135	14	74	47	6.0	.90	84	67
38	98	130	163	15	95	53	5.5	.90	82	86
39	105	145	178	15	102	61	5.0	.90	75	92
1940	100	120	160	13	90	57	7.0	.95	91	86
41	120	98	169	14	85	70	6.5	.85	91	72
42	96	56	124	11	58	55	7.5	.88	82	51
43	103	64	135	11	70	54	6.5	.90	72	63
44	80	40	100	11	46	43	6.0	.90	66	41
45	66	35	84	6	48	30	7.5	.95	45	46
46	63	34	80	9	32	39	7.0	.90	63	29
47	64	36	82	14	32	36	7.0	.90	98	29
48	70	38	89	15	33	41	7.5	1.00	112	33
49	77	44	99	14	40	45	8.0	1.05	112	42
1950§	92	52	118	24	35	59	8.5	.95	204	33

*Grown with other crops. †Equivalent solid acreage (acreage grown alone with an allowance for acreage grown with other crops). §Preliminary. Source of data: Bureau of Agricultural Economics, U. S. Dept. of Agriculture.

SOYBEANS: Acreage, Yield and Production 1924-50 by States

Illinois

Year	Acres Planted: Grown Alone	Acres Planted: Inter-planted*	Acres Planted: Equivalent Solid†	Acres Harvested For Beans†	Acres Harvested For Hay	Grazed or Plowed Under	Average Yield Per Acre Harv. For Beans	Average Yield Per Acre Harv. For Hay	Total Production For Beans	Total Production For Hay
	Thousand Acres			Thousand Acres			Bushels	Tons	Bushels Thousand	Tons Thousand
1924	315	—	315	115	260	—	12.0	1.30	1380	260
25	290	—	290	106	184	—	13.5	1.25	1431	230
26	350	—	350	140	210	—	12.5	1.25	1750	262
27	429	—	429	184	245	—	13.0	1.25	2392	306
28	463	—	463	186	277	—	16.5	1.30	3069	360
29	514	—	514	226	288	—	17.0	1.30	3842	374
1930	720	—	720	410	310	—	17.0	1.20	6970	372
31	969	—	969	428	522	19	18.0	1.40	7704	731
32	776	—	776	388	372	16	20.0	1.55	7760	577
33	786	—	786	361	346	79	15.0	1.05	5415	363
34	1715	—	1715	724	948	43	19.0	1.20	13756	1138
35	2431	—	2431	1509	849	73	18.5	1.45	27916	1231
36	2043	—	2043	1278	561	204	16.0	1.00	20448	561
37	2241	—	2241	1355	729	157	20.0	1.55	27100	1130
38	2243	—	2243	1433	640	170	23.5	1.60	33676	1024
39	2890	—	2890	1892	750	248	24.5	1.65	46354	1238
1940	3011	—	3011	1995	748	268	17.5	1.25	34912	935
41	2813	—	2813	2338	420	55	21.5	1.30	50267	546
42	3769	—	3769	3239	344	186	21.0	1.40	68019	482
43	3976	—	3976	3436	497	43	21.0	1.30	72156	646
44	3896	—	3896	3470	387	39	21.4	1.15	74258	445
45	4079	—	4079	3760	279	40	20.0	1.20	75200	335
46	3524	—	3524	3320	186	18	23.5	1.45	78020	270
47	3806	—	3806	3636	144	26	18.0	1.10	65448	158
48	3502	—	3502	3354	124	24	24.0	1.40	80496	174
49	3467	—	3467	3287	145	35	26.0	1.45	85462	210
1950§	4091	—	4091	3948	118	25	24.0	1.30	94752	153

Indiana

1924	204	—	204	66	109	29	9.9	1.22	653	133
25	148	—	148	40	93	15	10.0	1.25	400	116
26	189	—	189	42	111	36	12.6	1.15	529	128
27	210	—	210	68	118	24	13.0	1.33	884	157
28	289	—	289	69	171	49	14.5	1.38	1000	236
29	326	—	326	95	176	55	15.0	1.29	1425	227
1930	443	—	443	151	248	44	14.0	1.10	2114	273
31	585	—	585	175	363	47	17.8	1.41	3115	512
32	563	—	563	141	371	51	16.0	1.40	2256	519
33	428	—	428	120	274	34	15.0	1.15	1800	315
34	621	—	621	185	391	45	16.0	1.20	2960	469
35	850	—	850	410	391	49	17.0	1.45	6970	567
36	748	—	748	299	315	134	14.0	.90	4186	284
37	812	—	812	341	365	106	17.0	1.50	5797	548
38	901	—	901	469	288	144	20.0	1.55	9380	446
39	1377	—	1377	740	551	86	19.0	1.62	14060	893
1940	1418	—	1418	723	548	147	13.0	1.00	9399	548
41	1234	—	1234	815	370	49	17.0	1.35	13855	500
42	1691	—	1691	1319	296	76	20.0	1.50	26380	444
43	1776	—	1776	1403	337	36	18.5	1.40	25956	472
44	1812	—	1812	1473	304	35	17.2	1.20	25336	365
45	1703	—	1703	1466	208	29	19.5	1.45	28587	302
46	1533	—	1533	1374	136	23	19.0	1.40	26106	190
47	1625	—	1625	1503	106	16	18.5	1.40	27806	148
48	1560	—	1560	1459	86	15	22.0	1.55	32098	133
49	1576	—	1576	1442	110	24	24.0	1.50	34608	165
1950§	1702	—	1702	1591	85	26	22.0	1.45	35002	123

*Grown with other crops. †Equivalent solid acreage (acreage grown alone with an allowance for acreage grown with other crops). §Preliminary. Source of data: Bureau of Agricultural Economics, U. S. Dept. of Agriculture.

SOYBEANS: Acreage, Yield and Production 1924-50 by States

Iowa

Year	Acres Planted: Grown Alone	Acres Planted: Inter-planted*	Acres Planted: Equivalent Solid†	Acres Harvested For Beans†	Acres Harvested For Hay	Grazed or Plowed Under	Average Yield Per Acre Harv. For Beans	Average Yield Per Acre Harv. For Hay	Total Production For Beans	Total Production For Hay
	Thousand Acres			Thousand Acres			Bushels	Tons	Bushels Thousand	Tons Thousand
1924	23	....	23	10	13	....	12.0	1.50	120	20
25	18	....	18	7	11	....	14.0	1.40	98	15
26	24	....	24	10	14	....	15.0	1.40	150	20
27	48	....	48	23	25	....	12.0	1.40	276	35
28	63	....	63	21	42	....	17.0	1.50	357	63
29	80	....	80	36	44	....	16.0	1.50	576	66
1930	124	....	124	66	57	1	15.5	1.30	1023	74
31	159	....	159	51	107	1	15.5	1.35	790	144
32	217	....	217	52	163	2	18.0	1.60	936	261
33	248	....	248	95	151	2	17.0	1.45	1615	219
34	853	....	853	180	656	17	11.5	1.10	2070	722
35	1200	....	1200	408	757	35	16.5	1.50	6732	1136
36	586	....	586	192	290	104	14.0	1.00	2688	290
37	753	....	753	234	477	42	18.5	1.50	4329	716
38	930	....	930	308	562	60	21.0	1.65	6468	927
39	1288	....	1288	550	675	63	20.7	1.75	11385	1181
1940	1481	....	1481	709	707	65	20.0	1.70	14180	1202
41	1288	....	1288	942	297	49	17.0	1.45	16014	431
42	2061	....	2061	1818	125	118	19.5	1.50	35451	188
43	2021	....	2021	1873	127	21	19.5	1.45	36524	184
44	2028	....	2028	1910	89	29	20.3	1.46	38773	130
45	1973	....	1973	1910	45	18	18.5	1.45	35335	65
46	1578	....	1578	1548	22	8	23.0	1.45	35604	32
47	1957	....	1957	1884	20	53	15.5	1.10	29202	22
48	1616	....	1616	1564	44	8	22.5	1.50	35190	66
49	1380	....	1380	1340	30	10	23.0	1.60	30820	48
1950§	1960	....	1960	1921	27	12	22.0	1.55	42262	42

Kansas

1924	11	....	11	2	9	....	11.0	1.30	22	12
25	12	....	12	4	8	....	10.0	1.30	40	10
26	12	....	12	4	8	....	10.0	1.25	40	10
27	9	....	9	3	6	....	12.0	1.35	36	8
28	13	....	13	4	9	....	11.0	1.25	44	11
29	15	....	15	4	11	....	9.0	1.10	36	12
1930	27	....	27	7	20	....	7.5	1.10	52	22
31	44	....	44	12	32	....	9.0	1.20	108	38
32	44	....	44	11	33	....	7.3	1.10	80	36
33	55	....	55	11	44	....	8.5	1.20	94	53
34	48	....	48	7	39	2	5.0	.65	35	25
35	38	....	38	7	29	2	6.5	1.10	46	32
36	39	....	39	6	32	1	4.0	.60	24	19
37	28	....	28	4	22	2	8.0	1.15	32	25
38	28	....	38	6	29	3	10.5	1.40	63	41
39	45	....	45	11	25	9	8.0	1.20	88	30
1940	78	....	78	26	43	9	12.0	1.55	312	67
41	83	....	83	47	26	10	11.5	1.60	540	42
42	290	....	290	212	20	58	11.5	1.65	2438	33
43	313	....	313	244	16	53	9.5	1.15	2318	18
44	203	....	203	185	14	4	13.7	1.40	2534	20
45	258	....	258	235	10	13	10.0	1.20	2350	12
46	225	....	225	198	16	11	11.0	1.10	2178	18
47	241	....	241	222	8	11	8.5	1.30	1887	10
48	188	....	188	167	5	16	15.0	1.55	2505	8
49	250	....	250	237	5	8	14.5	1.70	3436	8
1950§	370	....	370	359	4	7	18.0	1.70	6462	7

*Grown with other crops. †Equivalent solid acreage (acreage grown alone with an allowance for acreage grown with other crops). §Preliminary. Source of data: Bureau of Agricultural Economics, U. S. Dept. of Agriculture.

SOYBEANS: Acreage, Yield and Production 1924-50 by States

Kentucky

Year	Acres Planted: Grown Alone	Acres Planted: Inter-planted*	Acres Planted: Equivalent Solid†	Acres Harvested For Beans‡	Acres Harvested For Hay	Grazed or Plowed Under	Average Yield Per Acre Harv. For Beans	Average Yield Per Acre Harv. For Hay	Total Production For Beans	Total Production For Hay
	Thousand Acres			Thousand Acres			Bushels	Tons	Bushels Thousand	Tons Thousand
1924	40	10	45	9	30	6	9.5	1.10	86	33
25	50	12	56	8	43	5	8.5	1.10	68	47
26	80	10	85	7	65	13	9.0	1.25	63	81
27	72	10	77	6	52	19	9.0	1.20	54	62
28	100	8	104	5	88	11	10.0	1.20	50	106
29	121	10	126	8	96	22	10.5	1.20	84	115
1930	110	8	114	9	88	17	7.5	.75	68	66
31	136	14	143	11	108	24	12.0	1.35	132	146
32	132	12	138	10	107	21	11.5	1.30	115	139
33	115	10	120	8	97	15	10.0	1.30	80	126
34	95	10	100	9	81	10	10.5	1.25	94	101
35	100	11	106	8	86	12	10.0	1.35	80	116
36	125	15	132	11	87	34	9.5	.90	104	78
37	100	15	108	10	73	25	12.0	1.45	120	106
38	136	20	146	17	98	31	12.0	1.60	204	157
39	150	29	164	22	106	36	13.0	1.40	286	148
1940	180	27	194	31	130	33	13.0	1.30	403	169
41	198	25	210	42	133	35	14.0	1.60	588	213
42	224	35	242	83	136	23	14.5	1.60	1204	218
43	242	40	262	81	150	31	12.0	1.40	972	210
44	188	31	204	66	125	13	15.0	1.30	990	162
45	169	28	183	60	101	22	16.0	1.50	960	152
46	152	28	166	87	58	21	18.0	1.70	1566	99
47	170	26	183	100	68	15	17.5	1.65	1750	112
48	194	27	208	121	73	14	19.0	1.65	2299	120
49	225	25	238	119	90	29	18.5	1.75	2202	158
1950§	196	22	207	108	75	24	17.5	1.65	1890	124

Louisiana

Year	Acres Planted: Grown Alone	Acres Planted: Inter-planted*	Acres Planted: Equivalent Solid†	Acres Harvested For Beans‡	Acres Harvested For Hay	Grazed or Plowed Under	Average Yield Per Acre Harv. For Beans	Average Yield Per Acre Harv. For Hay	Total Production For Beans	Total Production For Hay
	Thousand Acres			Thousand Acres			Bushels	Tons	Bushels Thousand	Tons Thousand
1924	10	70	45	8	32	5	8.0	.90	64	29
25	13	80	53	12	31	10	10.0	1.20	120	37
26	26	108	80	18	44	18	8.5	1.19	153	52
27	35	134	102	21	52	29	9.0	1.25	189	65
28	30	164	112	17	53	42	7.5	1.50	128	80
29	40	200	140	21	70	49	10.5	1.20	220	84
1930	34	194	131	16	76	39	10.5	1.00	168	76
31	28	178	117	12	61	44	11.0	1.40	132	85
32	28	174	115	10	60	45	11.0	1.10	110	66
33	35	170	120	7	72	41	12.0	1.35	84	97
34	27	164	109	8	57	44	11.0	1.00	88	57
35	25	170	110	9	59	42	12.5	1.10	112	65
36	44	454	271	20	54	197	13.0	1.15	260	62
37	56	505	308	12	66	230	12.0	1.15	144	76
38	78	545	350	14	84	252	12.0	1.15	168	97
39	100	540	370	16	86	268	13.5	1.20	216	103
1940	110	530	375	15	82	278	13.5	1.25	202	102
41	149	550	424	16	89	319	11.5	1.20	184	107
42	155	517	413	72	70	271	12.5	1.25	900	88
43	147	517	405	33	62	310	11.5	1.20	380	74
44	85	403	287	23	24	230	12.0	1.20	276	41
45	99	383	291	23	36	232	14.0	1.30	322	47
46	104	383	296	27	47	222	13.0	1.35	351	63
47	110	391	306	24	38	244	12.5	1.35	300	51
48	119	368	303	35	39	229	14.0	1.20	490	47
49	101	331	267	25	35	207	15.0	1.25	375	44
1950§	111	354	288	40	32	216	18.0	1.25	720	40

*Grown with other crops. †Equivalent solid acreage (acreage grown alone with an allowance for acreage grown with other crops). ‡Preliminary. Source of data: Bureau of Agricultural Economics, U. S. Dept. of Agriculture.

SOYBEANS: Acreage, Yield and Production 1924-50 by States

Maryland

Year	Acres Planted: Grown Alone	Acres Planted: Inter-planted*	Acres Planted: Equivalent Solid†	Acres Harvested For Beans†	Acres Harvested For Hay	Grazed or Plowed Under	Average Yield Per Acre Harv. For Beans	Average Yield Per Acre Harv. For Hay	Total Production For Beans Thousand	Total Production For Hay Thousand
	Thousand Acres			Thousand Acres			Bushels	Tons	Bushels	Tons
1924	33	6	36	5	16	15	11.8	1.40	59	22
25	32	4	34	6	19	9	12.5	1.45	75	28
26	37	2	38	4	22	12	13.5	1.55	54	34
27	36	2	37	3	22	12	14.0	1.60	42	35
28	34	2	35	3	23	9	12.5	1.45	38	33
29	32		32	5	22	5	12.0	1.37	60	30
1930	33	—	33	5	25	3	6.5	.85	32	21
31	34	—	34	7	27	0	13.5	1.50	94	40
32	41	—	41	6	35	0	12.0	1.25	72	44
33	37	—	37	7	30	0	13.0	1.40	91	42
34	31	—	31	6	25	0	14.3	1.30	86	32
35	33	—	33	5	27	1	12.0	1.50	60	40
36	45	—	45	6	34	5	12.5	1.30	75	44
37	43	—	43	8	28	7	14.5	1.50	116	42
38	54	—	54	12	33	9	15.0	1.60	180	53
39	65	—	65	15	37	13	13.7	1.50	206	56
1940	65	—	65	19	35	11	13.5	1.50	256	52
41	71	—	71	20	40	11	12.0	1.40	240	56
42	105	—	105	48	47	10	15.5	1.60	744	75
43	116	—	116	36	66	14	9.0	.85	324	56
44	94	—	94	32	49	13	13.0	1.30	416	64
45	77	—	77	31	36	10	15.0	1.40	465	50
46	70	—	70	32	30	8	14.0	1.40	448	42
47	70	—	70	34	28	8	13.0	1.50	442	42
48	65	—	65	33	26	6	15.5	1.55	512	40
49	65	—	65	34	23	8	16.0	1.60	544	37
1950§	80	—	80	41	32	7	16.0	1.45	656	46

Michigan

1924	8	—	8	2	6	—	13.0	1.30	26	8
25	8	—	8	2	6	—	13.0	1.35	26	8
26	7	—	7	2	5	—	14.4	1.25	29	6
27	7	—	7	2	5	—	8.0	1.05	16	5
28	11	—	11	2	9	—	15.0	1.35	30	12
29	10	—	10	2	8	—	10.0	1.10	20	9
1930	7	—	7	1	6	—	10.0	.80	10	5
31	15	—	15	3	12	—	12.0	1.30	36	16
32	20	—	20	9	11	—	13.0	1.35	117	15
33	17	—	17	8	9	—	12.0	1.30	96	12
34	27	—	27	8	19	—	10.5	.90	84	17
35	48	—	48	16	32	—	14.5	1.30	232	42
36	50	—	50	15	35	—	12.5	1.05	188	37
37	44	—	44	16	28	—	14.5	1.35	232	38
38	70	—	70	32	25	13	16.5	1.60	528	40
39	130	—	130	51	50	29	16.5	1.45	842	72
1940	187	—	187	77	67	43	16.5	1.50	1270	100
41	149	—	149	106	23	26	16.0	1.25	1600	29
42	274	—	274	151	19	104	14.0	1.60	2114	30
43	137	—	137	103	18	16	16.5	1.35	1700	24
44	140	—	140	110	17	13	17.0	1.20	1870	20
45	140	—	140	122	8	10	17.5	1.45	2135	12
46	130	—	130	86	10	34	15.0	.95	1290	10
47	90	—	90	76	8	6	17.0	1.20	1292	10
48	70	—	70	65	3	2	17.5	1.30	1138	4
49	72	—	72	66	2	4	23.0	1.50	1518	3
1950§	122		122	117	2	3	19.5	1.30	2282	3

*Grown with other crops. †Equivalent solid acreage (acreage grown alone with an allowance for acreage grown with other crops). §Preliminary. Source of data: Bureau of Agricultural Economics, U. S. Dept. of Agriculture.

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Minnesota

(Not estimated prior to 1933)

Year	Acres Planted: Grown Alone	Acres Planted: Inter-planted*	Acres Planted: Equivalent Solid†	Acres Harvested For Beans†	Acres Harvested For Hay	Grazed or Plowed Under	Average Yield Per Acre Harv. For Beans	Average Yield Per Acre Harv. For Hay	Total Production For Beans Thousand	Total Production For Hay Thousand
	Thousand Acres			Thousand Acres			Bushels	Tons	Bushels	Tons
1933	15	....	15	....	15	....	....	1.30	....	20
34	117	....	117	2	115	....	15.0	1.10	30	126
35	91	....	91	6	85	....	14.0	1.40	84	119
36	50	....	50	6	44	....	12.0	1.10	72	48
37	70	....	70	10	60	....	14.0	1.40	140	84
38	97	....	97	12	80	5	15.0	1.70	180	136
39	182	....	182	30	136	16	16.8	1.80	504	245
1940	251	....	251	53	183	15	15.0	1.85	795	339
41	270	....	270	80	178	12	14.5	1.60	1160	285
42	413	....	413	273	41	99	13.0	1.50	3549	62
43	343	....	343	244	44	55	13.5	1.50	3294	66
44	352	....	352	260	81	11	15.4	1.40	4004	113
45	514	....	514	452	46	16	14.5	1.50	6554	69
46	657	....	657	610	40	7	17.5	1.30	10675	52
47	992	....	992	920	30	42	15.0	1.40	13800	42
48	863	....	863	844	13	6	18.5	1.70	15614	22
49	734	....	734	709	18	7	18.0	1.70	12762	31
1950§	1101	....	1101	1057	30	14	15.5	1.40	16384	42

Mississippi

1924	45	58	80	21	48	11	8.0	1.00	168	48
25	54	61	91	21	59	11	10.0	1.05	210	62
26	54	46	82	12	60	10	9.5	1.25	114	75
27	125	70	167	19	127	21	10.0	1.30	190	165
28	67	65	106	11	77	18	9.5	1.30	104	100
29	74	68	115	12	85	18	9.0	1.30	108	110
1930	85	75	130	12	103	15	6.5	1.00	78	103
31	132	131	211	25	148	38	9.0	1.35	225	200
32	148	138	231	21	166	44	8.0	1.15	168	191
33	126	140	210	17	153	40	9.0	1.25	153	191
34	169	157	263	26	192	45	8.2	1.13	213	217
35	203	223	337	37	229	71	8.5	1.05	314	240
36	274	481	514	41	257	216	6.5	1.05	266	270
37	206	442	427	24	196	207	8.5	1.10	204	216
38	319	495	566	29	279	258	8.5	1.20	246	335
39	302	470	537	30	247	260	9.5	1.20	285	296
1940	332	428	546	39	268	239	10.0	1.25	390	335
41	448	364	630	71	290	269	10.5	1.25	746	362
42	466	339	636	191	223	222	14.0	1.15	2674	256
43	466	353	642	128	295	219	12.0	1.05	1536	310
44	270	222	381	76	190	115	12.0	1.20	912	228
45	211	166	294	62	138	94	13.0	1.25	806	172
46	222	153	298	70	143	85	15.0	1.25	1050	179
47	233	165	316	95	130	90	14.0	1.30	1330	169
48	261	124	323	133	103	87	18.0	1.35	2394	139
49	274	90	319	108	96	115	16.5	1.25	1782	120
1950§	438	98	487	282	131	74	24.0	1.35	6768	177

*Grown with other crops. †Equivalent solid acreage (acreage grown alone with an allowance for acreage grown with other crops). §Preliminary. Source of data: Bureau of Agricultural Economics, U. S. Dept. of Agriculture.

Additional copies of the Soybean Blue Book may be purchased from the American Soybean Association, Hudson, Iowa, for $1.

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Missouri

Year	Acres Planted: Grown Alone	Acres Planted: Inter-planted*	Acres Planted: Equivalent Solid†	Acres Harvested For Beans†	Acres Harvested For Hay	Grazed or Plowed Under	Average Yield Per Acre Harv. For Beans	Average Yield Per Acre Harv. For Hay	Total Production For Beans	Total Production For Hay
	Thousand Acres			Thousand Acres			Bushels	Tons	Bushels Thousand	Tons Thousand
1924	165	---	165	48	112	5	7.5	1.20	360	134
25	157	---	157	44	110	3	8.5	1.10	374	121
26	220	---	220	53	161	6	7.5	1.20	398	193
27	252	---	252	63	181	8	8.0	1.20	504	217
28	281	---	281	76	197	8	9.5	1.20	722	236
29	317	86	360	92	223	45	8.0	1.00	736	223
1930	422	50	447	138	288	21	7.0	.85	966	245
31	536	25	548	121	420	7	9.0	1.20	1089	504
32	616	15	623	106	503	14	10.0	1.30	1060	654
33	530	20	540	167	360	13	9.0	1.10	1503	396
34	720	46	743	142	564	37	5.5	.70	781	395
35	450	20	460	142	300	18	7.5	1.10	1065	330
36	360	40	380	45	186	149	5.0	.60	225	112
37	200	70	235	58	155	22	11.0	1.25	638	194
38	350	80	390	60	268	62	13.0	1.40	780	375
39	455	74	492	89	343	60	13.0	1.40	1157	480
1940	564	80	604	109	401	94	13.0	1.40	1417	561
41	580	100	630	187	250	193	11.5	1.15	2150	288
42	700	140	770	471	112	187	15.0	1.40	7065	157
43	742	120	802	557	151	94	15.5	1.30	8634	196
44	734	84	776	601	120	55	17.5	1.30	10518	156
45	844	84	886	720	89	77	13.0	1.20	9360	107
46	802	84	844	718	67	59	20.0	1.40	14360	94
47	914	90	959	825	67	67	12.0	1.00	9900	67
48	823	82	864	795	34	35	20.0	1.60	15900	54
49	897	112	953	857	48	48	21.0	1.55	17997	74
1950§	1175	106	1228	1191	25	12	23.0	1.55	27393	39

Nebraska

(Not Estimated Prior to 1929)

1929	2	---	2	---	2	---	---	1.40	---	3
1930	3	---	3	---	3	---	---	1.20	---	4
31	4	---	4	---	4	---	---	1.10	---	4
32	4	---	4	---	4	---	---	1.40	---	6
33	3	---	3	---	3	---	---	1.35	---	4
34	7	---	7	---	7	---	---	.75	---	5
35	9	---	9	---	9	---	---	.95	---	9
36	3	---	3	---	3	---	---	.80	---	2
37	4	---	4	---	4	---	---	1.00	---	4
38	7	---	7	1	5	1	12.0	1.25	12	6
39	10	---	10	2	5	3	10.0	1.20	20	6
1940	20	---	20	4	13	3	14.0	1.20	56	16
41	32	---	32	20	5	7	11.0	1.10	220	6
42	55	---	55	40	4	11	15.0	1.15	600	5
43	85	---	85	73	2	10	12.0	1.15	876	2
44	22	---	22	19	1	2	17.8	1.25	338	1
45	20	---	20	17	2	1	18.0	1.25	306	2
46	25	---	25	23	1	1	21.0	1.25	483	1
47	35	---	35	32	1	2	14.5	1.10	464	1
48	26	---	26	23	1	2	23.0	1.60	529	2
49	24	---	24	22	1	1	22.0	1.20	484	1
1950§	50	---	50	46	1	3	24.0	1.45	1104	1

*Grown with other crops. †Equivalent solid acreage (acreage grown alone with an allowance for acreage grown with other crops). §Preliminary. Source of data: Bureau of Agricultural Economics, U. S. Dept. of Agriculture.

SOYBEANS: Acreage, Yield and Production 1924-50 by States

North Carolina

Year	Acres Planted — Grown Alone	Acres Planted — Inter-planted*	Acres Planted — Equivalent Solid†	Acres Harvested For Beans†	Acres Harvested For Hay	Grazed or Plowed Under	Average Yield Per Acre Harv. For Beans	Average Yield Per Acre Harv. For Hay	Total Production For Beans	Total Production For Hay
	Thousand Acres			Thousand Acres			Bushels	Tons	Bushels Thousand	Tons Thousand
1924	120	90	165	75	70	20	15.5	.90	1162	63
25	140	110	195	80	80	35	14.5	.70	1160	56
26	160	120	220	85	95	40	12.5	1.00	1062	95
27	140	130	205	80	108	17	15.0	1.00	1200	108
28	150	120	210	80	100	30	13.5	.95	1080	95
29	170	150	245	92	120	33	11.5	.95	1058	114
1930	230	220	340	128	150	62	10.5	.85	1344	128
31	240	250	365	134	155	76	13.5	1.00	1809	155
32	230	240	350	115	150	85	10.0	.80	1150	120
33	205	210	310	108	135	67	9.5	.95	1026	128
34	220	212	326	112	152	62	10.5	1.05	1176	160
35	220	280	360	115	165	80	12.5	.95	1438	157
36	260	390	455	144	196	115	12.0	.95	1728	186
37	242	410	447	148	174	125	12.0	1.10	1776	191
38	324	430	539	162	210	167	11.5	1.05	1863	220
39	328	500	578	160	224	194	11.0	1.10	1760	246
1940	360	450	585	190	180	215	12.0	1.10	2280	198
41	371	477	609	218	183	208	10.0	1.12	2180	205
42	434	439	654	268	161	225	13.0	1.20	3484	193
43	495	430	710	257	220	233	9.0	1.00	2313	220
44	361	348	535	201	203	131	10.5	1.10	2110	223
45	368	299	518	216	191	111	12.5	1.15	2700	220
46	342	254	469	212	150	107	13.5	1.10	2862	165
47	380	229	494	233	144	117	15.0	1.15	3495	166
48	384	208	488	264	137	87	13.5	1.10	3564	151
49	380	206	483	264	116	103	16.0	1.25	4224	145
1950§	418	206	521	301	122	98	17.0	1.10	5117	134

Ohio

1924	66	—	66	20	44	2	11.5	1.20	230	53
25	57	—	57	17	38	2	14.0	1.30	238	49
26	61	—	61	18	41	2	11.5	1.40	207	57
27	72	—	72	21	49	2	14.5	1.40	304	69
28	84	—	84	24	58	2	15.0	1.40	360	81
29	92	—	92	23	66	3	15.1	1.41	347	93
1930	112	—	112	31	77	4	14.0	.90	434	69
31	157	—	157	47	105	5	20.0	1.50	940	158
32	156	—	156	34	117	5	15.5	1.35	527	158
33	148	—	148	33	110	5	16.0	1.35	528	148
34	203	—	203	41	155	7	17.0	1.30	697	202
35	355	—	355	124	220	11	21.0	1.65	2604	363
36	330	—	330	132	162	36	15.5	1.15	2046	186
37	380	—	380	171	190	19	19.0	1.55	3249	294
38	480	—	480	281	161	38	21.0	1.65	5901	266
39	864	—	864	500	310	54	21.1	1.68	10550	521
1940	1020	—	1020	561	347	112	16.0	1.30	8976	451
41	898	—	898	656	215	27	20.0	1.55	13120	333
42	1365	—	1365	1051	150	164	22.5	1.65	23648	248
43	1379	—	1379	1213	138	28	21.0	1.60	25473	221
44	1393	—	1393	1243	127	23	17.6	1.25	21877	159
45	1184	—	1184	1077	83	24	18.0	1.55	19386	129
46	971	—	971	903	53	15	18.0	1.55	16254	82
47	1000	—	1000	950	42	8	18.5	1.55	17575	65
48	940	—	940	908	24	8	20.5	1.60	18614	38
49	902	—	902	858	36	8	24.0	1.70	20592	61
1950§	1100	—	1100	1056	28	16	22.0	1.60	23232	45

*Grown with other crops. †Equivalent solid acreage (acreage grown alone with an allowance for acreage grown with other crops). §Preliminary. Source of data: Bureau of Agricultural Economics, U. S. Dept. of Agriculture.

SOYBEANS: Acreage, Yield and Production 1924-50 by States

Pennsylvania

Year	Acres Planted: Grown Alone	Acres Planted: Inter-planted*	Acres Planted: Equivalent Solid†	Acres Harvested For Beans†	Acres Harvested For Hay	Grazed or Plowed Under	Average Yield Per Acre Harv. For Beans	Average Yield Per Acre Harv. For Hay	Total Production For Beans	Total Production For Hay
	Thousand Acres			Thousand Acres			Bushels	Tons	Thousand Bushels	Thousand Tons
1924	7	....	7	....	7	....	....	1.45	....	10
25	6	....	6	....	6	....	....	1.55	....	9
26	8	....	8	....	8	....	....	1.40	....	11
27	9	....	9	....	9	....	....	1.60	....	14
28	9	....	9	....	9	....	....	1.65	....	15
29	10	....	10	....	9	1	....	1.45	....	13
1930	11	....	11	....	10	1	....	1.10	....	11
31	15	....	15	....	14	1	....	1.50	....	21
32	18	....	18	....	17	1	....	1.45	....	25
33	23	....	23	....	22	1	....	1.55	....	34
34	24	....	24	2	20	2	16.5	1.60	33	32
35	31	....	31	2	26	3	16.5	1.70	33	44
36	41	....	41	3	34	4	15.0	1.40	45	48
37	42	....	42	5	33	4	16.0	1.60	80	53
38	50	....	50	6	37	7	17.5	1.70	105	63
39	73	....	73	11	48	14	15.5	1.55	170	74
1940	82	....	82	14	54	14	16.0	1.50	224	81
41	77	....	77	15	49	13	14.5	1.55	218	76
42	108	....	108	35	54	19	17.0	1.70	595	92
43	127	....	127	45	65	17	13.0	1.55	585	101
44	119	....	119	37	64	18	13.2	1.40	488	90
45	71	....	71	23	33	15	15.0	1.55	345	51
46	60	....	60	21	30	9	16.0	1.60	336	48
47	50	....	50	17	24	9	16.0	1.60	272	38
48	46	....	46	16	21	9	16.0	1.65	256	35
49	42	....	42	16	19	7	17.0	1.60	272	30
1950§	44	....	44	17	20	7	17.0	1.65	289	33

South Carolina

1924	9	28	23	7	9	7	7.0	.70	49	6
25	18	40	38	8	21	9	5.5	.30	44	6
26	18	34	35	7	18	10	5.0	1.00	35	18
27	14	40	34	7	17	10	6.0	.80	42	14
28	14	35	32	7	17	8	9.0	.75	63	13
29	14	40	34	7	20	7	7.0	.80	49	16
1930	20	50	45	9	23	13	6.5	.80	58	18
31	26	60	56	10	30	16	5.5	.75	55	22
32	20	55	48	9	24	15	7.0	.80	63	19
33	25	50	50	9	23	18	6.5	.75	58	17
34	13	34	30	4	15	11	6.0	.80	24	12
35	16	39	36	5	16	15	7.0	.95	35	15
36	26	60	56	7	20	29	6.5	.85	46	17
37	18	63	50	6	21	23	6.5	1.05	39	22
38	30	85	72	10	27	35	6.5	.80	65	22
39	41	106	94	13	33	48	6.7	.90	87	30
1940	32	94	79	11	29	39	6.5	.85	72	25
41	48	100	98	10	35	53	7.5	.95	75	33
42	48	87	92	12	33	47	8.0	.95	96	31
43	55	88	99	16	35	48	6.5	.80	104	28
44	35	75	73	12	27	34	7.0	.85	84	23
45	28	60	58	8	20	30	7.0	.90	56	18
46	36	70	71	16	24	31	10.0	.90	160	22
47	45	70	80	17	22	41	10.0	.90	170	20
48	65	76	103	23	32	48	10.0	1.05	230	34
49	57	86	100	25	35	40	11.0	1.00	275	35
1950§	82	92	128	44	36	48	12.0	.95	528	34

*Grown with other crops. †Equivalent solid acreage (acreage grown alone with an allowance for acreage grown with other crops). §Preliminary. Source of data: Bureau of Agricultural Economics, U. S. Dept. of Agriculture.

SOYBEANS: Acreage, Yield and Production 1924-50 by States

South Dakota

(Not Estimated Prior to 1939)

Year	Acres Planted: Grown Alone	Acres Planted: Inter-planted*	Acres Planted: Equivalent Solid†	Acres Harvested For Beans†	Acres Harvested For Hay	Grazed or Plowed Under	Average Yield Per Acre Harv. For Beans	Average Yield Per Acre Harv. For Hay	Total Production For Beans Thousand	Total Production For Hay Thousand
	Thousand Acres			Thousand Acres			Bushels	Tons	Bushels	Tons
1939	2	—	2	—	2	—	—	1.10	—	2
1940	4	—	4	1	2	1	12.0	1.20	12	2
41	6	—	6	2	3	1	12.0	1.00	24	3
42	17	—	17	13	2	2	16.0	1.10	208	2
43	27	—	27	20	2	5	12.0	1.15	240	2
44	11	—	11	9	1	1	17.0	1.40	153	1
45	15	—	15	13	1	1	14.0	1.35	182	1
46	21	—	21	19	1	1	14.5	1.40	276	1
47	55	—	55	50	2	3	11.5	1.00	575	2
48	33	—	33	31	1	1	18.0	1.60	556	2
49	31	—	31	29	1	1	13.0	1.20	377	1
1950§	68	—	68	66	1	1	12.5	1.20	825	1

Tennessee

1924	160	50	185	10	153	22	8.5	1.08	85	165
25	150	40	170	8	142	20	7.5	.75	60	106
26	200	60	230	12	188	30	8.3	1.10	100	207
27	174	56	202	9	165	28	8.0	.95	72	157
28	165	58	194	16	150	28	8.0	1.05	128	158
29	180	62	211	17	164	30	7.5	1.10	128	180
1930	190	64	222	20	172	30	7.5	.72	150	124
31	190	90	235	26	174	35	7.5	1.00	195	174
32	160	100	210	21	143	46	7.0	.95	147	136
33	150	83	192	19	133	40	7.5	1.08	142	144
34	130	75	168	17	113	38	7.6	1.05	129	119
35	128	90	173	18	108	47	6.5	1.00	117	108
36	162	170	247	17	142	88	7.0	.90	119	128
37	154	214	261	20	133	108	7.5	1.25	150	166
38	188	245	310	21	136	153	8.0	1.30	168	177
39	170	290	315	18	120	177	8.3	1.25	149	150
1940	167	298	316	19	122	175	8.5	1.30	162	159
41	175	288	319	20	140	159	9.5	1.38	190	189
42	224	274	361	55	141	165	12.0	1.35	660	190
43	276	304	423	52	188	188	13.5	1.25	702	235
44	240	255	368	51	165	152	15.0	1.15	765	190
45	216	196	314	49	110	155	14.5	1.35	710	148
46	186	210	291	45	100	146	18.0	1.35	810	135
47	205	210	310	60	100	150	15.5	1.30	930	130
48	217	206	320	67	99	154	20.0	1.30	1340	129
49	217	194	314	125	79	110	20.0	1.50	2500	118
1950§	234	184	326	150	70	106	21.0	1.40	3150	98

*Grown with other crops. †Equivalent solid acreage (acreage grown alone with an allowance for acreage grown with other crops). §Preliminary. Source of data: Bureau of Agricultural Economics, U. S. Dept. of Agriculture.

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SOYBEANS: Acreage, Yield and Production 1924-50 by States

Virginia

Year	Acres Planted Grown Alone	Acres Planted Inter-planted*	Acres Planted Equivalent Solid†	Acres Harvested For Beans†	Acres Harvested For Hay	Grazed or Plowed Under	Average Yield Per Acre Harv. For Beans	Average Yield Per Acre Harv. For Hay	Total Production For Beans	Total Production For Hay
	Thousand Acres			Thousand Acres			Bushels	Tons	Thousand Bushels	Thousand Tons
1924	88	24	100	15	74	11	13.0	1.00	195	74
25	106	28	120	16	92	12	11.0	.95	176	87
26	132	30	147	17	116	14	14.0	1.20	238	139
27	114	26	127	18	100	9	14.5	1.30	261	130
28	114	25	126	20	98	8	13.0	1.20	260	118
29	114	30	129	21	94	14	13.0	1.15	273	108
1930	120	31	136	17	79	40	7.0	.70	119	55
31	108	30	123	19	90	14	14.0	1.30	266	117
32	108	21	124	18	84	22	9.5	.75	171	63
33	97	32	113	18	82	13	12.5	1.20	225	98
34	92	34	109	21	77	11	13.5	1.15	284	89
35	96	38	115	25	76	14	14.0	1.20	350	91
36	115	56	143	37	81	25	11.0	1.00	407	81
37	120	72	156	37	87	32	13.5	1.35	500	117
38	116	86	159	33	91	35	12.5	1.30	412	118
39	128	98	177	41	89	47	15.0	1.35	615	120
1940	128	105	180	49	93	38	15.5	1.35	760	126
41	132	86	175	49	91	35	12.5	1.20	612	109
42	185	99	235	112	70	53	15.5	1.40	1736	98
43	231	102	282	93	115	74	11.0	1.05	1023	121
44	162	105	214	66	76	72	15.0	1.20	990	91
45	146	87	190	79	48	63	16.0	1.40	1264	67
46	143	90	188	67	47	74	16.5	1.40	1106	66
47	150	103	202	95	40	67	15.0	1.25	1425	50
48	140	100	190	106	29	55	16.5	1.45	1749	42
49	147	112	203	117	23	63	18.0	1.40	2106	32
1950‡	176	106	229	133	23	73	19.0	1.40	2527	32

Wisconsin

1924	38	—	38	3	35	—	9.0	1.40	27	49
25	20	—	20	2	18	—	9.0	1.55	18	28
26	19	—	19	3	16	—	11.0	1.40	33	22
27	14	—	14	1	13	—	10.0	1.45	10	19
28	22	—	22	2	20	—	12.5	1.70	25	34
29	16	—	16	2	14	—	11.0	1.50	22	21
1930	14	—	14	2	12	—	11.5	1.20	23	14
31	21	—	21	2	19	—	10.0	1.30	20	25
32	89	—	89	3	86	—	12.0	1.40	36	120
33	115	—	115	3	112	—	11.5	1.50	34	168
34	251	—	251	2	249	—	12.0	1.25	24	311
35	181	—	181	2	179	—	13.0	1.70	26	304
36	101	—	101	2	86	13	10.0	1.15	20	99
37	160	—	160	3	141	16	13.0	1.40	39	197
38	135	—	135	5	120	10	16.0	2.00	80	240
39	173	—	173	11	140	22	16.0	1.70	176	238
1940	215	—	215	25	162	28	17.5	2.00	438	324
41	168	—	168	37	105	26	15.0	1.60	555	168
42	155	—	155	60	55	40	13.0	1.85	780	102
43	105	—	105	63	35	7	14.5	1.85	914	65
44	103	—	103	42	53	8	12.8	1.45	538	77
45	86	—	86	37	43	6	15.0	1.80	555	77
46	67	—	67	33	28	6	12.5	1.50	412	42
47	50	—	50	26	19	5	13.0	1.75	338	33
48	40	—	40	15	20	5	13.0	1.40	195	28
49	48	—	48	15	31	2	16.5	1.60	248	50
1950‡	70	—	70	24	38	8	14.5	1.65	348	63

*Grown with other crops. †Equivalent solid acreage (acreage grown alone with an allowance for acreage grown with other crops). ‡Preliminary. Source of data: Bureau of Agricultural Economics, U. S. Dept. of Agriculture.

SOYBEAN STOCKS

SOYBEANS: STOCKS IN VARIOUS POSITIONS, UNITED STATES, QUARTERLY DATES, 1942-50

Date	On Farms	Int. Mills Elev. & Whses.	Processing Plants	Terminals	Steel and Wooden Bins	Total
			—— Thousand Bushels ——			
1942: Oct. 1	3,100	928	1,120	861	...	6,009
1943: Jan. 1	88,246	29,505	34,938	3,519	13,500	169,708
April 1	54,399	17,094	28,675	3,187	13,000	116,355
July 1	13,733	5,085	17,246	2,864	8,447	47,375
Oct. 1	4,555	668	4,763	732	1,819	12,537
1944: Jan. 1	56,211	36,276	44,650	23,719	4,951	165,807
April 1	39,080	17,317	35,203	12,790	4,174	108,564
July 1	10,606	4,970	23,712	4,682	3,824	47,794
Oct. 1	4,612	1,128	5,214	1,323	1,876	14,153
1945: Jan. 1	42,330	40,137	47,708	24,446	3,523	158,144
April 1	27,773	30,012	32,606	16,508	2,762	109,661
July 1	7,598	6,031	26,387	5,401	957	46,374
Oct. 1	2,928	447	3,548	815	...	7,738
1946: Jan. 1	43,267	39,572	46,255	24,423	400	153,917
April 1	29,872	18,087	37,299	12,666	25	97,949
July 1	6,802	3,526	23,356	3,424	...	37,108
Oct. 1	2,118	268	1,783	157	...	4,326
1947: Jan. 1	37,374	36,145	59,610	21,704	...	154,833
April 1	25,475	19,633	41,744	13,689	...	100,541
July 1	6,389	3,389	28,004	2,258	...	40,040
Oct. 1	2,236	244	2,813	68	...	5,361
1948: Jan. 1	51,679	28,080	48,900	13,294	...	141,953
April 1	33,110	10,845	36,894	7,613	...	88,462
July 1	4,311	3,238	22,986	1,244	...	31,779
Oct. 1	1,838	128	468	130	...	2,564
1949: Jan. 1	75,504	36,805	53,416	14,804	...	180,529
April 1	52,279	19,262	36,305	7,206	...	115,052
July 1	9,505	9,134	18,333	3,294	...	40,266
Oct. 1	2,147	213	285	462	...	3,107
1950: Jan. 1	60,853	34,906	66,588	16,133	...	178,400
April 1	45,778	17,412	47 991	10,241	...	121,422
July 1	7,064	4,329	28,478	6,190	...	46,061
Oct. 1	1,204	242	502	920	...	2,868

Source of data: U. S. Dept. of Agriculture (B.A.E., P.M.A. and C.C.C.) and Bureau of the Census.

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SOYBEAN OIL MEAL PRODUCTION

SOYBEAN OIL MEAL AND CAKE: SUPPLY AND UTILIZATION IN THE UNITED STATES, 1924-49

Year Beginning October 1	Supply — 1,000 Tons — Domestic Production	Imports	Total Supply	Utilization — 1,000 Tons — Exports	Food, Industry and other Non-feed*	Feed
1924-25	7.6	18.3	25.9	.....	.....	25.9
1925-26	8.6	19.8	28.4	.....	.....	28.4
1926-27	8.3	23.9	32.2	.....	.....	32.2
1927-28	13.7	47.7	61.4	.....	.....	61.4
1928-29	21.5	69.5	91.0	.....	.....	91.0
1929-30	40.7	73.5	114.2	.....	.....	114.2
1930-31	98.6	24.0	122.6	.....	.....	122.6
1931-32	114.7	18.6	133.3	.....	.....	133.3
1932-33	84.3	28.3	112.6	.....	.....	112.6
1933-34	73.9	25.0	98.9	.....	.....	98.9
1934-35	220.4	64.2	284.6	.....	18.0	266.6
1935-36	613.1	20.0	633.1	.....	19.0	614.1
1936-37	495.8	55.7	551.5	.....	20.0	531.5
1937-38	724.1	15.5	739.6	.....	21.0	718.6
1938-39	1,064.4	12.3	1,076.7	35.0	22.0	1,019.7
1939-40	1,348.8	12.1	1,360.9	62.3	23.0	1,275.6
1940-41	1,543.4	8.1	1,551.5	25.4	35.0	1,491.1
1941-42	1,844.9	0	1,844.9	19.7	40.1	1,785.1
1942-43	3,200.3	0	3,200.3	20.9	105.5	3,073.9
1943-44	3,446.0	0	3,446.0	16.1	107.1	3,322.8
1944-45	3,698.5	0	3,698.5	10.0	61.4	3,627.1
1945-46	3,837.3	.....	3,837.3	.9	181.4	3,655.0
1946-47	4,086.4	0	4,086.4	141.7	199.3	3,745.4
1947-48	3,832.7	0	3,832.7	95.7	353.8	3,383.2
1948-49	4,330.4	3.2	4,333.6	150.1	27.8	4,155.7
1949-50**	4,581.7	26.1	4,607.8	47.4	46.9	4,513.5

*Estimated.

**Preliminary.

Source of data: Bureau of Agricultural Economics, U. S. Department of Agriculture.

PRODUCTION OF SOYBEAN OIL MEAL BY QUARTERS, 1922-44

Year Beginning October 1	Oct-Dec	Jan-Mar	Apr-June	July-Sept	Total
	(1,000 tons)				
1922	1.1	1.5	1.0	.2	3.8
1923	.9	1.3	.2	.....	2.4
1924	1.4	3.1	1.3	1.8	7.6
1925	2.2	3.2	3.1	.1	8.6
1926	2.1	2.8	2.5	.9	8.3
1927	3.6	4.2	3.6	2.3	13.7
1928	4.7	8.5	4.0	4.3	21.5
1929	16.2	10.3	8.4	5.8	40.7
1930	17.6	26.2	31.2	23.6	98.6
1931	31.5	41.3	26.5	15.4	114.7
1932	29.4	25.6	19.7	9.6	84.3
1933	21.7	22.6	18.5	11.1	73.9
1934	48.8	64.5	54.0	53.1	220.4
1935	126.6	191.1	165.1	130.3	613.1
1936	162.9	163.0	104.6	65.3	495.8
1937	188.5	213.6	165.4	156.6	724.1
1938	299.6	316.5	263.4	184.9	1,064.4
1939	406.4	394.9	304.0	243.5	1,348.8
1940	423.6	422.8	380.6	316.4	1,543.4
1941	459.6	489.9	443.2	452.2	1,844.9
1942	599.1	925.6	990.5	685.1	3,200.3
1943	735.3	1,050.4	891.1	769.2	3,446.0
1944	796.8	986.2	1,016.1	899.4	3,698.5

SOYBEAN OIL MEAL PRODUCTION—Continued

PRODUCTION OF SOYBEAN OIL MEAL BY MONTHS AND CROP YEARS, 1945-49
(1,000 tons)

	1945-46	1946-47	1947-48	1948-49	1949-50*
October	237.5	262.6	273.3	328.5	414.5
November	338.0	363.0	352.0	383.0	406.4
December	335.9	377.6	365.2	395.3	407.2
January	396.6	412.0	393.8	398.7	401.1
February	372.1	385.2	355.7	367.8	363.2
March	370.1	397.5	350.9	403.9	422.4
April	343.2	382.3	337.3	376.7	403.5
May	337.6	359.7	313.3	364.2	394.2
June	290.1	319.4	299.3	355.9	323.2
July	313.0	325.1	296.8	357.6	364.0
August	287.0	268.5	253.5	318.9	363.7
September	216.2	233.5	240.8	279.9	318.3
TOTALS	3,837.3	4,086.4	3,832.7	4,330.4	4,581.7

*Preliminary
Source of data: Bureau of Agricultural Economics, U. S. Department of Agriculture.

PRODUCTION OF PROTEIN CONCENTRATE

PRODUCTION OF SPECIFIED PROTEIN CONCENTRATES IN THE UNITED STATES, YEAR BEGINNING OCTOBER 1, 1937-49

Protein Concentrate	Average 1937-41	1944-45	1945-46	1946-47	1947-48	1948-49	1949-50*
				Thousand Tons			
Soybean cake and meal	1,305	3,698	3,837	4,086	3,833	4,330	4,582
Linseed cake and meal	616	449	562	374	625	687	689
Cottonseed cake and meal	2,057	1,916	1,410	1,428	2,016	2,416	2,489
Peanut cake and meal	67	99	87	122	123	117	137
Copra cake and meal	76	42	68	194	170	118	136
Gluten feed and meal	690	864	802	1,040	799	848	926
Tankage and meat scraps	656	772	729	726	790	817	826
Fish cake and meal	194	205	188	183	188	189	212
Dried milk products**	142	105	100	115	90	95	100
Other milk products†	1,829	1,465	1,360	1,300	1,260	1,280	1,300
TOTAL	7,632	9,615	9,143	9,568	9,894	10,897	11,397

*Preliminary.
**Dried and concentrated skim milk, buttermilk, and whey manufactured for animal feed.
†Dry equivalent of skim milk, buttermilk, whey, and whole milk estimated fed on farms.
Source of data: Bureau of Agricultural Economics, U. S. Department of Agriculture.

PROTEIN CONCENTRATES: ESTIMATED USE FOR FEED IN THE UNITED STATES, YEAR BEGINNING OCTOBER 1, 1937-50*

Protein Concentrate	Average 1937-41	1944-45	1945-46	1946-47	1947-48	1948-49	1949-50 **	1950-51 †
				Thousands of tons				
Soybean cake and meal	1,258	3,627	3,655	3,745	3,383	4,156	4,514	5,200
Linseed cake and meal	481	459	563	370	606	620	670	625
Cottonseed cake and meal	1,958	1,982	1,433	1,434	1,953	2,271	2,375	1,700
Peanut cake and meal	74	96	90	98	122	96	93	75
Copra cake and meal	134	42	69	190	177	160	186	175
Gluten feed and meal	690	864	802	1,040	799	848	926	975
Tankage and meat scraps	728	792	745	740	823	854	841	850
Fish cake and meal	235	209	194	191	213	235	259	250
Dried milk products‡	142	105	100	115	90	95	100	90
Other milk products§	1,829	1,465	1,360	1,300	1,260	1,280	1,300	1,225
TOTAL	7,529	9,641	9,011	9,223	9,426	10,615	11,264	11,165

*Domestic production plus imports, minus exports, and minus estimated utilization for food, industry and other nonfeed uses.
**Preliminary.
†Forecast on basis of October 1950 indications.
‡Dried and concentrated skim milk, buttermilk, and whey manufactured for animal feed.
§Dry equivalent of skim milk, buttermilk, whey, and whole milk estimated fed on farms.
Source of data: Bureau of Agricultural Economics, U. S. Department of Agriculture.

U. S. SOY FLOUR PRODUCTION

Soybeans Used in the Production of Soy Flour and Grits, Year Beginning October 1, 1942-50

1,000 bu.

	Low fat*	Full fat**
1942-43	4,645	1,875
1943-44	4,470	1,605
1944-45	1,865	910
1945-46	8,278	1,061
1946-47	9,193	440
1947-48	17,119	162
1948-49	3,474	191
1949-50	3,716	217

* Included in crushings as reported by Bureau of the Census.

** Based on trade reports.

Source of data: Production and Marketing Administration, U.S.D.A.

PRODUCTION OF SOYBEAN OIL

SOYBEAN OIL, CRUDE BASIS: PRODUCTION, TRADE, STOCKS DECEMBER 31, AND APPARENT DISAPPEARANCE, 1910-50

Year	Factory Production	Imports*	Exports	Re-exports	Net Imports or Net Exports (–)	Factory and Warehouse Stocks Dec. 31	Apparent Disappearance
	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.
1910	N.A.	20,152	N.A.	.....		N.A.	
1911	"	32,242	"	.....		"	
1912	"	24,959	"	184		"	
1913	"	14,221	"	36		"	
1914	"	12,555	"	3		"	
1915	"	21,335	"	76		"	
1916	"	145,409	"	2,063		"	
1917	"	264,926	"	3,977		"	
1918	"	335,984	"	545		"	
1919	"	195,808	**27,715	17,833		68,830	
1920	"	112,214	43,612	3,228	65,474	31,243	103,061
1921	"	17,283	1,944	511	14,828	11,141	34,930
1922	751	17,294	2,458	419	14,417	5,480	20,829
1923	1,404	41,679	1,356	172	40,151	9,451	37,584
1924	950	9,125	2,264	277	6,584	2,836	14,149
1925	2,520	19,493	520	1,748	17,225	2,458	20,123
1926	2,646	30,712	1,567	545	28,600	7,723	25,931
1927	3,088	14,915	5,444	1,184	8,287	6,291	12,807
1928	4,716	13,116	7,142	852	5,122	6,073	10,056
1929	11,009	19,489	7,967	129	11,393	15,631	12,844
1930	14,387	8,348	4,962	517	2,869	15,178	17,709
1931	39,150	4,916	4,551	898	–533	18,650	35,145
1932	39,445	405	2,647	46	–2,288	16,552	39,255
1933	26,533	3,669	1,569	.....	2,100	13,534	31,651
1934	35,366	2,829	2,040	.....	789	19,007	30,682
1935	105,056	14,249	4,111	.....	10,138	31,090	103,111
1936	225,297	††4,217	3,954	.....	263	34,416	222,234
1937	194,411	†22,259	5,748	.....	16,511	62,317	183,021
1938	323,343	†2,856	6,412	.....	–3,556	76,709	305,395
1939	457,550	4,126	12,111	.....	–7,985	71,562	454,712
1940	538,224	4,849	15,954	.....	–11,105	94,565	499,126
1941	585,629	759	12,066	.....	–11,307	113,020	555,857
1942	761,582	.....	19,428	.....	–19,428	144,139	††1,035
1943	1,233,751	‡	57,351	.....	–57,351	186,566	1,133,973
1944	1,245,873	.....	79,513	.....	–79,513	128,323	1,229,603
1945	1,391,650	‡	40,463	.....	–40,463	209,347	1,265,163
1946	1,454,339	.....	90,444	.....	–90,444	163,937	1,409,305
1947	1,542,984	71	109,760	.....	–109,689	146,208	1,451,024
1948	1,604,320	365	85,669	.....	–85,304	193,199	1,472,025
1949§	1,859,066	239	372,082	.....	–371,843	153,930	1,526,492
1950 Jan.-Sept.§	1,430,591	‡	215,865	.....	–215,865	¶117,311	1,251,345

Prepared by Bureau of Agricultural Economics, U. S. Department of Agriculture.

Compiled from reports of the Bureau of the Census. No domestic production reported prior to 1922. Stocks and trade beginning January 1942 are crude oil plus refined oil converted to crude basis by dividing by 0.94. Trade figures not separately reported as crude and refined before July 1941. Apparent disappearance computed from data on production, trade, and stocks. *Imports for consumption 1910, 1911, and beginning January 1934. ** July-December. Not separately reported before July 1919. †Excludes "special imports" entered free of duty for subsequent export. ‡Less than 500 pounds. ††Preliminary. ¶September 30.

FATS AND OILS PRODUCTION

FATS AND OILS: PRODUCTION FROM DOMESTIC MATERIALS AND OIL EQUIVALENT OF EXPORTED OILSEEDS, UNITED STATES, YEAR BEGINNING OCTOBER, 1937-50

Item	Average 1937-41	Average 1942-46	1947	1948	1949 1/	1950 2/
	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.
Butter (actual weight)	2,220	1,761	1,494	1,663	1,735	1,600
Lard and rendered pork fat	2,091	2,514	2,324	2,494	2,657	2,800
Edible beef fats 3/	225	197	142	167	168	170
Total, edible animal fats	4,536	4,472	3,960	4,324	4,560	4,570
Corn oil	173	221	201	225	242	
Cottonseed oil	1,456	1,119	1,357	1,735	1,792	
Edible olive oil	6	5	3	5	2	
Peanut oil	87	4/128	141	146	182	
Peanuts (shelled), oil equivalent of exports for crushing abroad 5/	—	10	119	214	32	
Soybean oil	500	1,344	1,534	1,807	1,935	
Soybeans, oil equivalent of exports 6/	31	24	28	225	128	
Total, edible vegetable oils	2,253	2,911	3,383	4,356	4,313	4,250
Inedible tallow and greases	1,303	1,782	1,980	2,101	2,147	
Fish, whale and seal oils 7/	220	170	133	110	153	400
Total, soap fats and oils	1,523	1,952	2,113	2,211	2,299	2,400
Linseed oil 8/	361	579	689	731	725	
Flaxseed, oil equivalent of exports 9/	—	10/	10/	92	49	
Tung oil	2	8	16	17	24	
Total, drying oils	363	588	706	840	799	840
Other fats and oils 11/	21	36	44	23	23	20
Grand total	8,696	9,959	10,206	11,755	11,995	12,080

Compiled by the Bureau of Agricultural Economics from reports of Bureau of the Census, Fish and Wildlife Service, and U. S. Department of Agriculture. Totals computed from unrounded numbers. 1/Preliminary. 2/Forecasts based on December 1 crop conditions and other indications. 3/Edible tallow, oleo stock, oleo oil, and oleostearine. Beginning January 1949, use of edible tallow in pressing is subtracted from reported production of tallow. 4/Excludes oil equivalent of Argentine peanuts imported in 1944. 5/43 percent of actual weight of peanuts. 6/ 9 pounds per bushel, 1937-46; 9.5 pounds in 1947; 9.8 pounds in 1948 and 1949. 7/Excludes cod oil and fish liver oils. 8/Ecludes oil equivalent of imported flaxseed. 9/ 19.8 pounds per bushel. 10/Less than 500,000 pounds. 11/Neats'-foot oil, wool grease, cod and fish-liver oils, and vegetable oils not reported separately by kind.

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SOYBEAN OIL UTILIZATION

SOYBEAN OIL: UTILIZATION BY CLASSES OF PRODUCTS, UNITED STATES, 1931-50

Year	Food products				Nonfood products						Total domestic disappearance
	Margarine	Shortening	Other*	Total	Soap	Paint and varnish	Other drying oil products†	Miscellaneous non-food products	Loss, including oil in foots‡	Total	
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
1931	622	10,869	7,261	18,752	3,816	6,256	3,773	923	1,625	16,393	35,145
1932	3	4,889	14,166	19,058	5,571	7,485	5,139	844	1,158	20,197	39,255
1933	7	489	9,153	9,649	4,235	8,568	7,150	1,182	867	22,002	31,651
1934	24	2,735	10,284	13,043	1,354	10,451	4,062	949	823	17,639	30,682
1935	1,740	52,452	21,366	75,558	2,549	13,003	5,784	749	5,468	27,553	103,111
1936	14,261	113,897	59,270	187,428	5,023	14,471	4,821	1,532	8,959	34,806	222,234
1937	31,791	90,798	20,037	142,626	10,274	16,143	2,685	1,367	9,926	40,395	183,021
1938	39,885	137,133	79,247	256,265	10,897	15,183	6,601	2,403	14,046	49,130	305,395
1939	70,822	201,599	117,297	389,718	11,177	21,720	11,633	4,199	16,265	64,994	454,712
1940	87,103	212,317	107,468	406,888	17,612	29,828	16,432	7,442	20,924	92,238	499,126
1941	75,634	215,967	140,147	431,748	24,737	41,594	20,816	10,550	26,412	124,109	555,857
1942	133,346	335,555	129,530	598,431	31,510	25,307	8,115	6,132	41,540	112,604	711,035
1943	198,020	568,405	205,263	971,688	15,428	20,462	18,512	14,884	92,999	162,285	1,133,973
1944	211,105	620,257	274,856	1,106,218	3,258	19,105	17,543	14,295	69,184	123,385	1,229,603
1945	206,642	683,011	242,769	1,132,422	4,219	25,624	20,133	16,443	66,322	132,741	1,265,163
1946	200,681	743,527	292,744	1,236,952	3,545	30,435	36,490	24,443	77,440	172,353	1,409,305
1947	227,595	705,280	248,047	1,180,922	5,375	89,491	69,316	36,737	69,184	270,103	1,451,025
1948	255,213	707,530	239,211	1,201,954	2,794	100,195	61,728	32,308	73,046	270,071	1,472,025
1949	257,287	710,642	242,819	1,210,748	1,991	106,062	91,725	36,169	79,797	315,744	1,526,492
1950§ Jan.-Sept.	198,194	591,392	227,868	1,017,454	1,126	79,342	63,543	30,983	58,897	233,891	1,251,345

Percentage of Total Domestic Disappearance

	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent
1931	1.8	30.9	20.7	53.4	10.9	17.8	10.7	2.6	4.6	46.6	100.0
1932	¶	12.4	36.1	48.5	14.2	19.1	13.1	2.2	2.9	51.5	100.0
1933	¶	1.6	28.9	30.5	13.4	27.1	22.6	3.7	2.7	69.5	100.0
1934	.1	8.9	33.5	42.5	4.4	34.1	13.2	3.1	2.7	57.5	100.0
1935	1.7	50.9	20.7	73.3	2.5	12.6	5.6	.7	5.3	26.7	100.0
1936	6.4	51.2	26.7	84.3	2.3	6.5	2.2	.7	4.0	15.7	100.0
1937	17.3	49.6	11.0	77.9	5.6	8.8	1.5	.8	5.4	22.1	100.0
1938	13.1	44.9	25.9	83.9	3.6	5.0	2.1	.8	4.6	16.1	100.0
1939	15.6	44.3	25.8	85.7	2.4	4.8	2.6	.9	3.6	14.3	100.0
1940	17.5	42.5	21.5	81.5	3.5	6.0	3.3	1.5	4.2	18.5	100.0
1941	13.6	38.9	25.2	77.7	4.5	7.4	3.7	1.9	4.8	22.3	100.0
1942	18.8	47.2	18.2	84.2	4.4	3.6	1.1	.9	5.8	15.8	100.0
1943	17.5	50.1	18.1	85.7	1.4	1.8	1.6	1.3	8.2	14.3	100.0
1944	17.2	50.4	22.4	90.0	.3	1.5	1.4	1.2	5.6	10.0	100.0
1945	16.3	54.0	19.2	89.5	.3	2.0	1.6	1.3	5.3	10.5	100.0
1946	14.2	52.8	20.8	87.8	.3	2.2	2.6	1.7	5.4	12.2	100.0
1947	15.7	48.6	17.1	81.4	.4	6.1	4.8	2.5	4.8	18.6	100.0
1948	17.3	48.1	16.3	81.7	.2	6.8	4.2	2.2	4.9	18.3	100.0
1949	16.9	46.5	15.9	79.3	.1	7.0	6.0	2.4	5.2	20.7	100.0
1950§ Jan.-Sept.	15.8	47.3	18.2	81.3	.1	6.3	5.1	2.5	4.7	18.7	100.0

Compiled as follows:

Utilization in margarine, from reports of the Commissioner of Internal Revenue.

Utilization in other products, factory consumption, from Bureau of the Census, Animal and Vegetable Fats and Oils, except as noted.

* Mainly utilization in salad and cooking oils, mayonnaise, and salad dressings, and direct use in homes, bakeries, restaurants and institutions. Includes unreported disappearance of soybean oil; that is, the difference between total domestic disappearance and total factory consumption, including loss and oil in foots.

† Difference between total estimated use in drying-oil products and factory consumption in paint and varnish.

‡ Foots are used in nonfood products, largely in the manufacture of soap and fatty acids. Estimated since June 1942 as the difference between crude oil used in refining and production of refined oil.

§ Preliminary.

¶ Less than .05 percent.

Prepared by Bureau of Agricultural Economics, U. S. Dept. of Agriculture.

PRICES OF U. S. SOYBEANS

SOYBEANS: Average Price Received by Farmers, Monthly and Season Average, United States, 1923-50

Crop Year	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Season Average
						DOLLARS PER BUSHEL							
1923-24	2.09	2.10	2.11	2.23	2.26	2.41	2.40	2.44	2.49	2.60	2.51	2.33	2.28
24-25	2.23	2.16	2.36	2.59	2.64	2.76	2.77	2.81	2.70	2.71	2.40	2.38	2.46
25-26	2.27	2.18	2.17	2.05	2.33	2.39	2.27	2.37	2.67	2.71	2.31	2.27	2.34
26-27	1.97	1.85	1.83	1.90	2.03	1.98	2.07	2.15	2.20	2.14	2.06	1.91	2.01
27-28	1.86	1.69	1.61	1.70	1.69	1.85	1.93	2.06	2.13	2.12	2.01	1.89	1.81
28-29	1.72	1.69	1.70	1.82	1.93	2.13	2.19	2.30	2.41	2.46	2.15	1.87	1.88
29-30	1.79	1.70	1.72	1.85	1.91	2.00	2.07	2.11	2.16	1.96	1.90	1.80	1.88
1930-31	1.64	1.48	1.44	1.46	1.40	1.42	1.38	1.39	1.29	1.12	.94	.82	1.37
31-32	.52	.47	.47	.47	.48	.51	.51	.52	.51	.47	.47	.47	.50
32-33	.46	.45	.44	.45	.45	.48	.58	.86	.98	1.04	.94	.85	.54
33-34	.68	.69	.73	.81	1.01	1.16	1.26	1.25	1.45	1.54	1.25	1.05	.94
34-35	.95	.89	1.11	1.19	1.27	1.20	1.18	1.21	1.19	.98	.73	.69	.99
35-36	.68	.69	.72	.76	.77	.78	.78	.83	.85	1.05	1.19	1.10	.73
36-37	1.07	1.12	1.30	1.43	1.50	1.52	1.66	1.74	1.50	1.32	1.02	.90	1.27
37-38	.86	.83	.83	.88	.93	.89	.85	.87	.86	.85	.75	.71	.85
38-39	.64	.63	.67	.72	.69	.73	.78	.87	.83	.75	.64	.73	.67
39-40	.73	.82	.97	1.03	.96	1.01	1.00	.96	.79	.73	.67	.69	.81
1940-41	.67	.84	.81	.89	.84	.89	1.07	1.19	1.23	1.30	1.29	1.61	.90
41-42	1.42	1.43	1.47	1.65	1.78	1.79	1.76	1.73	1.63	1.62	1.58	1.57	1.55
42-43	1.58	1.58	1.59	1.59	1.60	1.65	1.67	1.72	1.73	1.70	1.68	1.69	1.61
43-44	1.80	1.80	1.81	1.82	1.85	1.89	1.91	1.93	1.93	1.91	1.90	1.93	1.81
44-45	2.04	2.05	2.05	2.06	2.10	2.13	2.13	2.15	2.17	2.16	2.12	2.07	2.05
45-46	2.06	2.09	2.09	2.09	2.11	2.12	2.14	2.16	2.17	2.31	2.35	2.13	2.08
46-47	2.28	3.09	2.75	2.93	3.00	3.67	3.62	3.01	3.07	3.09	3.07	3.05	2.67
47-48	3.11	3.43	3.69	4.11	2.97	3.23	3.64	3.74	3.90	3.66	2.91	2.45	3.34
48-49	2.27	2.36	2.36	2.27	2.05	2.12	2.08	2.18	2.10	2.27	2.60	2.14	2.27
49-50	2.09	1.95	2.09	2.11	2.12	2.25	2.48	2.71	2.80	2.93	2.42	2.26	2.16
1950-51	2.03	2.54	2.70										

Source: Bureau of Agricultural Economics, U. S. Department of Agriculture. Monthly figures are average prices received by farmers on the 15th of the month. Season averages are crop-year average prices, by states, weighted by production to obtain U. S. average.

SOYBEANS FOR CRUSHING:

Average Prices of No. 2 Yellow Soybeans, Bulk, in Carlots at Chicago, by Months, Oct. 1933-Dec. 1950*

Crop Year	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Season Average**
						DOLLARS PER BUSHEL							
1933-34	.72	.73	.76	.79	.82	.82	.88	.90	.93	.94	.94	—	.84
1934-35	.86	.96	1.24	1.27	1.29	1.13	1.10	1.07	.95	—	—	.72	1.06
1935-36	.79	.81	.87	.88	.85	.82	.83	.85	.91	1.22	1.42	1.27	.96
1936-37	1.23	1.29	1.46	1.61	1.59	1.59	1.74	1.75	1.40	1.39	1.12	.98	1.43
1937-38	.98	.93	.95	1.00	1.04	.98	.92	.91	.88	.92	.86	.84	.93
1938-39	.74	.74	.81	.84	.82	.88	.89	.96	.93	.90	—	.87	.85
1939-40	.87	.98	1.15	1.16	1.06	1.14	1.09	1.00	.81	.82	.81	.81	.96
1940-41	.83	.95	.96	1.02	.95	1.04	1.20	1.32	1.39	1.50	1.57	1.83	1.06
1941-42	1.58	1.60	1.67	1.83	1.95	1.92	1.83	1.80	1.72	1.74	1.71	1.71	1.68
1942-43	—	—	—	—	1.79	1.71	1.71	1.71	1.71	1.71	1.71	—	1.72
1943-44	1.88	—	1.86	1.87	—	1.94	—	—	1.92	1.95	1.94	2.04	1.90
1944-45	—	—	—	2.19	2.21	2.20	2.22	—	2.20	—	2.18	2.17	2.20
1945-46	2.11	2.18	2.18	—	—	—	—	—	—	—	—	—	2.13
1946-47	2.87	3.29	3.12	3.21	—	—	—	—	—	3.34	3.11	2.92	3.04
1947-48	3.39	3.66	3.93	4.21	—	3.59	3.86	4.02	—	3.78	3.22	—	3.80
1948-49	2.44	2.58	2.62	2.47	2.26	2.28	2.26	2.32	2.33	2.64	3.20	2.21	2.45
1949-50	2.23	2.19	2.31	2.31	2.36	2.48	2.69	3.11	3.00	3.12	2.92	—	2.29
1950-51	2.37	2.75	3.02										

*Source: Bureau of Agricultural Economics, U. S. Dept. of Agriculture. Compiled as follows: Oct. 1933-May 1942 from **Chicago Daily Trade Bulletin**, June 1942 and subsequently from **Chicago Journal of Commerce**. Monthly prices, Oct. 1933-Sept. 1939, are simple averages of daily quotations, net track price; monthly prices, Oct. 1939 and subsequently, are weighted averages of reported cash sales—computed by weighting daily selling price by number of carlots sold. **Season average prices 1933-34 through 1938-39, are simple averages of monthly prices; beginning with 1939-40 the season averages are weighted by the monthly volume of cash sales.

PRICES OF U. S. SOYBEAN OIL MEAL AND OIL

SOYBEAN OIL MEAL:

Average Price Per Ton, Bagged, in Carlots, 41 Percent Protein, at Chicago by Months, Oct. 1929—Dec. 1950*

Crop Year	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Season Average**
						DOLLARS PER TON							
1929-30	58.30	54.20	53.05	51.80	48.25	48.20	50.15	50.70	48.75	46.00	47.80	47.50	50.40
1930-31	44.00	41.20	40.00	39.30	36.60	33.15	31.90	28.60	25.80	24.90	23.35	21.40	32.50
1931-32	18.60	23.85	23.00	20.45	18.75	18.90	19.90	19.95	20.20	20.05	22.60	23.70	20.85
1932-33	22.75	21.70	21.70	21.70	21.70	22.60	23.70	28.30	28.85	39.20	39.00	34.85	27.15
1933-34	31.70	30.15	30.50	30.60	31.50	32.50	33.25	33.60	34.50	34.50	37.75	39.50	33.35
1934-35	38.50	38.85	41.20	40.70	38.45	37.10	33.80	33.20	31.70	29.05	24.00	22.85	34.10
1935-36	25.60	24.40	25.50	25.15	23.90	22.30	23.30	24.80	26.10	38.90	44.30	39.70	28.65
1936-37	36.90	39.15	43.00	44.10	41.50	41.10	47.60	48.35	39.20	37.30	34.90	34.20	40.60
1937-38	28.80	29.50	28.80	30.00	29.60	28.10	26.00	26.30	25.30	26.95	26.15	27.00	27.70
1938-39	24.60	24.40	26.20	26.30	24.70	24.45	24.70	26.30	25.95	24.70	25.70	33.70	26.00
1939-40	28.30	32.70	34.95	33.90	29.95	30.45	29.65	28.65	24.40	22.25	24.60	27.00	28.90
1940-41	25.90	30.50	29.60	29.75	26.60	26.85	27.50	28.10	29.70	33.80	36.20	41.40	30.50
1941-42	37.95	39.10	42.50	46.45	46.45	44.85	41.00	38.30	37.90	41.80	42.60	43.50	41.85
1942-43	42.70	46.60	39.00	39.35	39.60	40.60	40.60	40.55	40.40	40.40	51.90	51.90	42.80
1943-44	51.90	51.90	51.90	51.90	51.90	51.90	51.90	51.90	51.90	51.90	51.90	52.00	51.90
1944-45	52.00	52.00	52.00	52.00	52.00	52.00	52.00	52.00	52.00	52.00	52.00	52.00	52.00
1945-46	52.00	52.00	52.00	52.00	52.00	52.00	52.00	62.50	66.00	97.00	93.15	66.00	62.40
1946-47	79.50	93.35	80.70	71.90	65.40	81.05	72.15	68.55	76.30	89.75	91.90	102.70	81.10
1947-48	91.05	92.90	101.50	110.25	89.00	84.75	86.20	86.60	94.25	96.90	84.40	81.50	91.60
1948-49	66.80	79.25	78.00	73.45	65.80	67.40	70.55	71.00	75.40	85.55	100.30	83.15	76.40
1949-50	74.80	69.40	68.80	66.00	65.05	69.65	73.30	82.60	85.15	96.40	78.20	65.85	74.60
1950-51	64.90	73.35	76.40										

*Source: Bureau of Agricultural Economics, U. S. Dept. of Agriculture.

** Simple average for months shown, rounded to nearest five cents.

SOYBEAN OIL, DOMESTIC CRUDE:

Average Price Per Pound in Tank Cars at Midwestern Mills, by Months, Oct. 1929-Dec. 1950*

Crop Year	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Season Average**
	cents	cents	cents	cents	cents	cents	cents	cents	cents	cents	cents	cents	cents
1929-30	10.7	9.7	8.8	8.4	8.4	8.4	9.0	8.9	8.9	9.3	9.3	9.3	9.1
1930-31	8.8	7.4	6.7	6.4	6.0	5.7	5.8	6.2	5.7	6.1	6.0	5.3	6.3
1931-32	5.1	4.4	3.8	3.3	3.2	3.1	3.0	3.0	3.0	3.1	3.1	3.2	3.4
1932-33	3.4	2.9	3.0	3.0	3.2	3.5	3.4	4.5	6.1	7.4	8.0	6.8	4.6
1933-34	6.0	6.2	6.2	5.6	5.6	5.9	6.0	6.0	5.5	5.8	5.7	5.8	5.9
1934-35	6.1	6.3	7.3	7.8	8.1	9.1	8.4	8.8	8.6	7.8	7.1	7.7	7.8
1935-36	8.1	8.1	8.1	7.6	7.2	6.8	6.8	6.3	6.0	7.9	8.0	8.2	7.4
1936-37	8.0	8.0	9.1	9.8	9.9	9.8	9.8	9.0	8.2	---	---	---	9.1
1937-38	5.8	5.6	5.2	5.8	6.1	6.4	5.9	5.7	5.2	5.9	5.7	5.2	5.7
1938-39	5.0	5.1	5.1	4.9	4.8	4.9	4.7	4.9	4.8	4.2	4.0	5.6	4.8
1939-40	5.0	4.7	5.3	5.2	5.4	5.6	5.5	5.0	4.7	4.6	4.2	3.9	4.9
1940-41	3.9	4.2	4.5	5.1	5.1	6.1	7.6	8.7	9.6	9.8	9.5	10.5	7.0
1941-42	10.4	9.8	10.1	11.4	11.7	11.8	11.8	11.8	11.6	11.2	11.4	11.7	11.2
1942-43	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
1943-44	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
1944-45	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
1945-46	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.9
1946-47	18.8	24.2	24.6	26.0	28.4	33.6	27.4	21.4	18.2	17.2	15.9	18.8	22.9
1947-48	20.7	25.6	26.2	26.6	19.6	21.4	24.5	26.3	27.3	22.1	22.1	22.8	23.8
1948-49	18.6	19.1	17.3	14.3	12.3	10.8	10.5	10.8	9.4	9.7	12.9	11.4	13.1
1949-50	10.1	9.6	10.2	10.8	11.4	12.8	13.1	13.8	13.2	12.9	14.5	15.0	12.3
1950-51	14.6	17.1	19.6										

* Source: Bureau of Agricultural Economics, U. S. Dept. of Agriculture. Monthly prices, Oct. 1929 through Sept. 1938, compiled from **Oil Paint and Drug Reporter**; Oct. 1938 through Dec. 1950 compiled from **The National Provisioner.**

** Simple average for months shown.

IMPORTS, EXPORTS CAKE AND MEAL

OILSEED CAKE AND MEAL: Imports and Exports, United States, year beginning October 1929-50

Year beginning October	Imports						Exports					
	Cottonseed cake and meal	Soybean cake and meal	Linseed cake and meal	Peanut cake and meal	Copra cake and meal	Total	Cottonseed cake and meal	Soybean cake and meal	Linseed cake and meal	Peanut cake and meal	Copra cake and meal	Total
	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons	1,000 tons
1929	18.5	73.5	31.5	†8.3	16.3	148.1	126.2	*	232.2	*	*	358.4
1930	.3	24.0	10.1	†2.2	10.9	47.5	55.1	*	204.9	*	*	260.0
1931	1.1	18.6	12.3	†2.3	4.6	38.9	218.9	*	169.2	*	*	388.1
1932	3.0	28.3	11.2	†2.3	7.1	51.9	145.8	*	168.0	*	*	313.8
1933	5.0	23.0	8.7	1.2	27.9	67.8	63.1	*	241.7	*	*	304.8
1934	47.4	64.2	10.2	3.5	51.5	176.8	2.9	*	205.5	*	*	208.4
1935	5.7	20.0	17.2	1.9	49.3	94.1	10.6	*	210.6	*	*	221.2
1936	26.8	55.7	15 9	9.6	73.0	181.0	12.6	*	328.8	*	*	341.4
1937	4.6	15.5	5.3	2.2	39.8	67.4	88.5	*	240.3	*	*	328.8
1938	4.4	12.3	7.8	10.5	53.9	88.9	11.6	35.0	286.6	*	*	333.2
1939	33.0	12.1	1.3	9.8	88.4	144.6	4.9	62.3	146.7	*	*	213.9
1940	52.2	8.1	.6	7.5	84.0	152.4	.9	25.4	4.8	*	*	31.1
1941	37.3	0	.2	7.1	22.6	67.2	1.1	19.7	11.1	*	*	31.9
1942	46.8	0	1.0	4.6	0	52.4	1.7	20.9	4.2	.1	.1	27.0
1943	96.3	0	2.5	3.6	0	102.4	.6	16.1	1.5	.1	.1	18.4
1944	87.4	0	10.0	2.5	.1	100.0	‡	10.0	.7	.4	.1	11.2
1945	47.6	‡	1.2	3.1	1.5	53.4	‡	.9	.3	.1	.1	1.4
1946	15.6	0	‡	1.1	.5	17.2	5.3	141.7	4.6	26.2	5.1	182.9
1947	13.8	0	8.8	3.1	7.0	32.7	9.6	95.7	28 5	3.7	0	137.5
1948	39.4	3.2	8.1	.9	41.3	95.9	121.7	150.1	54.0	21.1	0	346.9
1949	104.8	26.1	4.8	6.2	56.4	198.3	123.6	47.4	6.5	48.9	0	226.4

†Calendar year following. *Not separately reported. ‡Less than 50 tons. Compiled from data of the Bureau of Foreign and Domestic Commerce, and Bureau of the Census. Table prepared by the Bureau of Agricultural Economics, U. S. Dept. of Agriculture.

PRODUCTION, EXPORTS SOY FLOUR AND GRITS

SOY FLOUR AND GRITS: UNITED STATES PRODUCTION AND EXPORTS, 1935-50

Year beginning October 1	Production*			Exports		
	Full fat Products	Low fat and defatted products	Total	Commercial †	Military §	Total
	1,000 lbs.	1,000 lbs.	1,000 lbs.	1,000 lbs.	1,000 lbs.	1,000 lbs.
1935-36			22,000			
1936-37			24,000			
1937-38			26,000			
1938-39			28,000			
1939-40			30,000			
1940-41			50,000			
1941-42	28,000	56,125	84,125			
1942-43	90,600	181,000	271,600	22,971		22,971
1943-44	77,185	174,280	251,465	100,540		100,540
1944-45	43,925	72,715	116,640	58,460	14,374	72,834
1945-46	50,914	322,761	373,675	183,642	3,604	187,246
1946-47	21,263	358,537	379,800	105,814	135,223	241,037
1947-48	7,746	667,633	675,379	479,674	74,879	554,553
1948-49	9,192	134,356	143,548	56,186	—	56,186
1949-50	10,442	144,874	155,316	13,873	—	13,873

*Based on reports of the Soy Flour Association supplemented by information furnished the War Food Administration by the industry for 1942-48 and the Bureau of the Census for 1949 to date. Data for 1935-41 are rough approximations used during the war years since no exact data were available.

†Reported by the Bureau of the Census—not available prior to 1943. Thus the first figure is for January-September 1943 only. Includes exports under the Lend Lease program.

§Shipments for military relief feeding furnished by the National Military Establishments for 1944-46 and by the Bureau of the Census for 1947. Beginning with January 1948 included with commercial exports. The export figures do not include purchases by the Military for its own use.

Compiled by Grain Branch, P.M.A., U. S. Department of Agriculture.

Additional copies of the Soybean Blue Book may be purchased from the American Soybean Association, Hudson, Iowa, for $1.

PROCESSORS OF SOYBEANS

Officers of firms are listed as follows: (1) president; (2) vice president; (3) secretary; (4) treasurer; (5) head soybean buyer; (6) oil sales manager; (7) plant superintendent; (8) meal sales manager; (9) plant manager. Brand names are in quotation marks. Type of processing equipment, tons per day, processing capacity and total storage capacity are listed. Information was obtained through questionnaires sent directly to processing companies. Established policy of some firms makes unavailable more complete information than is carried in this directory.

ALABAMA

Birmingham—FARMERS & GINNERS COTTON OIL CO., Box 1408, Ave. F and 8th St. (1,5,8) J. V. Kidd; (2,8) J. W. Kidd; (3,4) C. L. Alsbrooks; (7) S. A. Watkins. Storage cap. 400,000 bu. 41% soybean oil meal.

Birmingham—SOUTHERN COTTON OIL CO. (Dist. office Cullman, Ala. Main office 210 Baronne St., New Orleans 12, La.) (7) W. C. Hendrix; (9) R. E. Binion.

Cullman—SOUTHERN COTTON OIL CO. Dist. office. (Main office 210 Baronne St., New Orleans 12, La.) F. W. Hurston, dist. mgr.

Dothan—DOTHAN OIL MILL, P. O. Box 458. (1) J. H. Bryson; (2) J. H. Bryson, Jr.; (3, 4) W. D. Malone; (5, 6, 8) J. B. Roberts; (7) E. L. Dillard; (9) No. 1 Mill, J. B. Roberts; No. 2 Mill, J. H. Bryson, Jr. 14 hydraulic pr.

Foley—BALDWIN OIL MILLS, INC. Subsidiary of Sessions Co., Inc., Enterprise, Ala.

Hendland—HOME FERTILIZER & COTTON OIL CO.

Montgomery 1—BUCKEYE COTTON OIL CO. Dist. mgr., E. L. Newman; (7) P. W. Anderson.

Selma—BUCKEYE COTTON OIL CO. Dist. mgr., J. A. Bates; (7) G. W. French.

Uniontown—BUCKEYE COTTON OIL CO. Dist. mgr., T. E. Goodale; (7) R. J. Patterson.

ARKANSAS

Blytheville—SWIFT & CO. (Home office Chicago, Ill). (5) J. B. Crosslin; (7) E. H. Eubanks; (8) J. C. Walsh; (9) J. L. Guinn. "Swift's" soybean oil meal.

Fort Smith—FORT SMITH COTTON OIL CO., INC., S. 6th and I Sts. (1) and gen. mgr., R. E. Lillard; (2) and asst. gen. mgr., W. H. Lillard; (8) M. E. Vaughan. 4 exp., 16 hydraulic pr.

Helena—HELENA COTTON OIL CO. (1) O. W. Howe; (2) E. T. Horner; (3) T. R. Kelly; (5, 8) Joe C. Brady; (7) Joe C. Carden. 3 exp., cap. 50 t. Hexane solv., cap. 100 t. Storage cap. 1,122,000 bu. "Helco" soybean oil meal and pellets. Operation 25% soybeans.

Little Rock—BUCKEYE COTTON OIL CO. Dist. mgr., F. H. Jarrell; (7) E. F. Kelley.

Little Rock—ROSE CITY COTTON OIL MILL, Box 950. (1) A. G. Kahn; (2) Mark Valentine; (3) W. M. Bruce, Jr.; (4, 9) W. F. Bates; (7) Floyd Fowler. 10 hydraulic pr., cap. 65 t. Storage cap., 150,000 bu. "Sure Shot" soybean oil meal.

Little Rock—SOUTHERN COTTON OIL CO. (Main office 210 Baronne St., New Orleans 12, La.) (7) R. R. Castillow; (9) C. M. Smith.

Newport—SOUTHERN COTTON OIL CO. (Main office 210 Baronne St., New Orleans 12, La.) (7) N. L. Pugh, Jr.; (9) J. E. Doherty.

North Little Rock—TEMPLE COTTON OIL CO., Ninth & Maple Sts. (1) Arthur Temple; (2) gen. mgr., Latane Temple; (3, 4) T. E. Cochran; (7) J. B. Jones; (8) S. T. McArthur. 8 hydraulic pr., cap. 65 t. Storage cap. 200,000 bu. "Quapaw" soybean oil meal and pellets.

Osceola—OSCEOLA PRODUCTS CO. (1) D. S. Laney; (2) C. F. Tompkins; (3, 4, 5, 6, 8, 9) Ralph Woodruff; (7) T. W. Perkins; (7 solvent) O. M. Beckham. "Osceola" meal. "Osceola" pellets. Hexane solv. plant, Allis-Chalmers, cap. 125 t. Storage cap. 800,000.

Pine Bluff—PLANTERS FERTILIZER AND SOYBEAN CO., Dunklin Bros., owners. Geo. H. Dunklin, mgr. 3 French screw pr., cap. 75 t. "Razorback" soybean oil meal. Operation 66⅔ soybeans.

Prescott—NEVADA COUNTY OIL MILL (Subsidiary of W. E. Cox & Sons) (1, 5) Ernest H. Cox; (3) Mrs. E. H. Cox; (7) B. F. Haynie. 2 exp., cap. 45 t. Storage cap. 3,000 tons. "Nevco" soybean meal.

Wilson—WILSON SOYA CORP. (1) R. E. L. Wilson 3rd.; (2) F. O. Wilson; (3, 4) S. A. Regenold; (5, 6, 7, 8, 9) R. A. Pratt. Solv. cap. 100 t. Naptha solvent. Storage cap. 1,000,000 bu. 44% soybean oil meal.

CALIFORNIA

Buena Park—GLIDDEN CO., vegetable div., P. O. Box 308. (1) Dwight W. Joyce; (2, 3) C. M. Kolb; (4) J. A. Peters; (5, 6, 8) W. W. Stephens; (7) A. R. Horne. 5 pr., cap. 75 t. Storage cap. 500,000 bu. "Torch" meal. Operation 8% soybeans.

Fresno—OIL SEED PRODUCTS CO. (2) and gen. mgr., L. L. Touton; C. H. Koch, sales mgr. and pur. agt.; E. D. Hudson chief eng. and pro. mgr. Naptha solv., cap. 120 t. (Main production linseed, cottonseed, safflower and soya.)

Los Angeles 58—CALIFORNIA COTTON OIL CORP., 2301 E. 52nd St. (1) R. F. Ingold; exec. vice-pres., W. B. Coberly; (2, 9) W. B. Coberly, Jr.; (3) Robert Ingold; (5, 6, 8) Wiley Blair, 3rd; (7) H. F. Crossno. 12 screw pr., cap. 240 t. Storage cap. 500,000 bu. "Calico" soybean oil meal and pellets.

Los Angeles 58—PACIFIC NUT OIL CO., 2301 E. 52nd St. Plant at 4615 Bandini Blvd., Los Angeles 22. (1) W. B. Coberly; (2) D. L. Allison; (3, 9) W. B. Coberly, Jr.; (4) C. W. Allison; (5, 6, 8) Wiley Blair, 3rd.; (7) Wm. D. Horne. 23 exp., cap. 280 t. Storage cap. 650,000 bu.

Norwalk—LIBERTY VEGETABLE OIL CO., Box 125. (Subsidiary of Iowa Milling Co.) (1, 5, 9) I. D. Sinaiko; (2) Joe Sinaiko; (3) Sam Maslon; (4, 6, 8) Wm. Sinaiko; (7) Gordon Lamberton. 3 pr., cap. 75 t. Storage cap. 200,000 bu. "Liberty" meal. Operation 50% soybeans.

Oakland—ALBERS MILLING CO., 2700 7th St. (Main office Carnation Bldg. 5045 Wilshire Blvd., Los Angeles 36.) Subsidiary of Carnation Co. (1) A. P. Herold; (2) E. W. Keiner; (3) S. A. Halgren; (4) H. E. Olson; (5) W. P. Kyle; (6) E. L. Dial; (7, 8) T. V. Cox; (9) F. H. Albers, Jr. 6 exp., cap. 110 t. Storage cap. 200,000 bu. "Albers Oil Meal." "Albers Quality Controlled" feeds and pellets.

San Francisco—PACIFIC VEGETABLE OIL CORP., 62 Townsend St. Branch plant, 1145 So. 10th St., Richmond, Calif. (1) B. T. Rocca, Sr.; (2, 5) B. T. Rocca, Jr.; (3) D. Miller; (4) J. Fowle; (6) R. Hammond; (7) M. G. Langford; (8) Jim Taylor; (9) E. A. Hill; engineer, J. Helm; chief chemist, J. Kneeland. San Francisco, 5 pr.; cap. 80 t. Tank storage cap. 368,000 bu. Richmond, 4 pr., cap. 60 t. Warehouse storage cap. 170,000 bu. "PVO" meal. Operations part-time soybeans, 100,000 bu. 1949.

Wilmington—VEGETABLE OIL PRODUCTS CO., INC., 410 S. Avalon Blvd. (1) C. A. Roberts; (2)W. D. Wilke; (3) C. C. Hopper; (4, 5) T. Pattison. 4 exp., cap 50 t. Storage cap. 60,000 bu. "Sun Ripe" soybean oil meal. Soybean operation 3,000 t. annually.

DELAWARE

Millsboro—TOWNSENDS, INC. (1) Sen. J. G. Townsend; (2, 5, 6, 8) P. C. Townsend; (4) J. G. Townsend, 3rd.; (9) Armel Long. Trichlorethylene solv., cap. 50 t. Storage cap. 25,000 bu. Soybean oil meal, feeds and pellets.

FLORIDA

Pensacola—THE SOUTHERN COTTON OIL CO. (Dist. office Cullman, Ala. Main office, 210 Baronne St., New Orleans, 12, La.) dist. mgr., F. W. Hurston; (7), C. E. Dutton; (9) J. T. Murphy.

GEORGIA

Atlanta—BUCKEYE COTTON OIL CO. General and dist. offices. (2) J. O. Wilson; eastern div. mgr., S. P. Cottraux. Dist. mgr. for oil mill, W. P. Lanier; (7) W. H. Davis.

Atlanta—SOUTHERN COTTON OIL CO. Dist. office. (Main office, 210 Baronne St., New Orleans 12, La.) H. G. Richey, dist. mgr.

Augusta—BUCKEYE COTTON OIL CO. Dist. mgr., H. M. Henry; (7) J. G. Henry.

Augusta—PLANTERS COTTON OIL CO., INC., 1855 Milledgeville Rd. (1, 4, 5, 6, 8) A. J. Maguire; (2) A. J. Maguire, Jr.; (3) A. W. Riddle; (7, 9) K. L. Stinek. 8 exp., cap. 90 t. Storage cap. 100,000 bu. Soybean oil meal. Soybean operation 100,000 bu.

Cordele No. 2—SOUTHERN COTTON OIL CO. (Dist. office Atlanta, Ga. Main office 210 Baronne St., New Orleans 2, La.) (7) H. B. Wilson; (9) H. L. Richey.

Macon — BUCKEYE COTTON OIL CO. Dist. mgr., J. P. George; (7) T. J. Doughman.

Macon — SOUTHERN COTTON OIL CO. (Dist. office Atlanta, Ga. Main office, 210 Baronne St., New Orleans 12, La.) (7) W. S. Moxley; (9) A. A. Almand.

Moultrie — TAYLOR OIL & PEANUT MILLS. (Subsidiary of Georgia Peanut Co., Moultrie) 12 hydraulic pr. (1) H. G. Ray, Jr.; (2) Roy E. Parrish, Sr.; (6, 8) B. C. Ray; (7) J. F. Jarrell, Sr.; (9) W. H. Allen.

Rome—SOUTHERN COTTON OIL CO. (Dist. office Atlanta, Ga. Main office 210 Baronne St., New Orleans 12, La.) (7) T. F. Ford; (9) C. H. Lumpkin.

Savannah — SOUTHERN COTTON OIL CO. (Dist. office Atlanta, Ga. Main office 210 Baronne St., New Orleans 12, La.) (7) J. R. Woolsey; (9) U. F. Stewart.

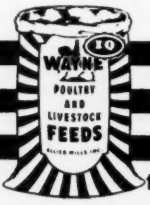
How ALLIED MILLS, INC...

Helps Make Soybeans More Profitable

If soybeans were purchased for oil alone, the price to growers likely would be far less than it is today. But by building a mass outlet for soybean meal as an important ingredient in WAYNE FEEDS, Allied Mills, Inc. helps the grower realize greater profits on his crop. In addition, special WAYNE soybean balancers increase efficiency of soybean feeding on the farm. For these reasons, every bag of WAYNE FEED used furthers the cause of the soybean industry.

4 GREAT PROCESSING PLANTS

1. **OMAHA, NEBR.** — Feed Manufacturing, Soybean Processing
2. **PEORIA, ILL.** — Feed Manufacturing, Soybean Processing
3. **PORTSMOUTH, VA.** — Feed Manufacturing, Soybean Processing
4. **TAYLORVILLE, ILL.** — Soybean Processing



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"FULL STRENGTH" Rations for All Poultry & Livestock





Farmers, Dealers, Manufacturers: There's a modern Cargill Soybean solvent and expeller plant conveniently located in your vicinity. Seven of Cargill's 8 modern plants are situated in heavy bean production areas to provide faster, easier and better service to the farmer, dealer and manufacturer.

Solvent Extraction — Crude degummed Soy Oil-Tested 44% Protein Meal.

Expeller Process — Crude Soy Oil — 41% Protein Expeller Meal.

CARGILL

SOY BEAN PROCESSORS

HAYNES

Soybean Products

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- H.S.P. Soybean Oil Meal
- Crude Soybean Oil

—★—

We Are Buyers of Soybeans

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Haynes Soy Products Inc.

Portland, Indiana

DELPHOS GRAIN

and

SOYA PRODUCTS CO.

DELPHOS, OHIO

Processors of

- 44% Soybean Oil Meal
- Crude Extracted Soybean Oil

also

- Terminal facilities for all Grains including Soybeans, Corn, Wheat and Oats.

PROCESSORS—Continued

Thomasville — FARMERS PRODUCTS CO., Box 108. (1) F. H. Searcy; (3) M. A. Froberg; (7) G. M. Smithson. 2 exp., cap. 50 t. Storage cap. 3,000 t. "Farm Pro" soybean oil meal. Soybean operation 500 t.

ILLINOIS

Alhambra—ALHAMBRA GRAIN & SEED CO. (1) E. H. Isenberg; (2) Theo. Albricht; (3) Clarence J. Ludwig; (4, 5) Elmer H. Ruehrup; (9) Paul Bauer. 2 exp., cap. 40 t. Storage cap., 210,000 bu. "AGVF" soybean oil meal.

Bloomington—FUNK BROS. SEED CO., 1300 W. Washington St. (1) Eugene D. Funk, Jr.; (2) Dr. James R. Holbert; (3) La Fayette Funk; (4) Theodore Funk; (5) A. M. Convis; (6, 8, 9) H. A. Abbott; (7) Howard Holt. Cap. 135 t. "Funk's" soybean oil meal and "Minrol-Soy."

Bloomington—RALSTON PURINA CO. (Head office St. Louis, Mo.) (5) J. T. O'Connor; (7) Jay L. Clark; (9) Nat Morey. Solv., cap. 250 t. Storage cap. 2,000,000 bu. "Purina Chow" feeds.

Cairo — CAIRO MEAL AND CAKE MILLING CO., 46th St. and Sycamore. (1) A. T. Madra. Storage cap. 100,000 bu. "Miss Cairo" soybean oil meal.

Cairo—SWIFT & CO. (Home office Chicago.) (5, 9) W. B. Stone; (8) N. F. Kreuger; (7) S. M. Speck. "Swift's" soybean meal.

Champaign—SWIFT & CO. (Home office Chicago) (5, 9) N. P. Noble; (8) R. J. Hendrick; (7) C. H. Graham. "Swift's" soybean meal.

Chicago 4—ALLIED MILLS, INC., 3400 Board of Trade Bldg. Plants at Portsmouth, Va.; Omaha, Nebr.; Peoria and Taylorville, Ill. (1) H. J. Buist; (2) L. T. Murphy, A. G. Phillips; (3, 5, 6, 8) J. J. Quinlan; (3, 4) E. W. Lenz. "Wayne" soybean oil meal, mixed feeds and pellets.

Chicago — ARCHER - DANIELS - MIDLAND CO. (See Minneapolis, Minn.)

Chicago—BORDEN'S SOY PROCESSING CO., 105 W. Adams St. (Division of The Borden Co. See under Waterloo, Ia.) (5, 6, 8) J. R. Pentis.

Chicago—CARGILL, INC. Head office 200 Grain Exch., Minneapolis 15, Minn. (7) Milt Bondus.

Chicago — CENTRAL SOYA CO., INC., Offices 3718 Board of Trade Bldg., and 300 Old Fort Bank Bldg., Fort Wayne, Ind. "Central" soybean oil meal, "Centrol" soybean oil products, "Master Mix" feeds and pellets.

Chicago — THE GLIDDEN CO., soya products division, 1825 N. Laramie St., Chicago 39. (1) Dwight P. Joyce; (2) R. G. Golseth; (3) Clifton M. Kolb; (4) J. Peters; (5) Carl E. Benson; (6) Glenn M. Davidson; (7) Emil Buelens; (8) Ford M. Ferguson; (9) E. T. Wilhelm; Exp. and Hexane ext. units. Storage cap. 2,000,000 bu. "Diamond G" and "4-Hi" oil meal. Full fat screw press and extracted soy flour.

Chicago—SPENCER KELLOGG & SONS, INC. (See Buffalo, N. Y.)

Chicago—SWIFT & CO., Union Stock Yards. Plants at Blytheville, Ark.; Cairo, and Champaign, Ill.; Des Moines, Iowa; Frankfort, Ind.; Fostoria, Ohio. (1) John Holmes; (2, 4) William B. Traynor; (3) W. H. Soutter; (2) C. T. Prindeville; oil mill dept., Scott E. Cramer. "Swift's" soybean oil meal and pellets. Expeller and medium fat soy flour.

EXPERIENCED SOYBEAN PROCESSORS

ONE OF THE *FIRST*

TO SERVE THE INDUSTRY

(PROCESSORS OF SOYBEANS SINCE 1924)

★ Funk's 41% Protein Expeller **SOYBEAN OIL MEAL**

★ Funk's **MINROL-SOY**

★ **SOYBEAN OIL**

★ High Quality - Certified **SOYBEANS FOR SEED**

FUNK BROS. SEED CO.

BLOOMINGTON, ILLINOIS

Chicago Heights — BISBEE LINSEED CO., 2012 Butler St. (1) A. D. Swift; (2) W. L. Lafean, Jr.; (2, 4) E. B. Warner; (3) M. C. Gargan; (6) T. Jacobson; (7) Fred Fett.

Decatur — ARCHER - DANIELS - MIDLAND CO. (see Minneapolis, Minn.)

Decatur — DECATUR SOY PRODUCTS CO., 518 E. Gault St. (1, 5, 6, 8, 9) Jasper Giovanna; (2) A. Becker; (3, 4) Carl Sorling; (7) Jess Beck; ass't. mgr. and traffic mgr. I. A. Hirsch. 9 exp., cap. 180 t. Storage cap. 500,000 bu. "Illini" soybean oil meal.

Decatur—SHELLABARGER MILLS, INC. (Gen. offices Citizens Bldg.) (1, 4) W. L. Shellabarger; (2) R. E. Baer; (3, 5) D. S. Shellabarger; (7) G. A. Weidemier; sales mgr., H. M. Rice; traffic mgr., W. G. Frahlman. Solv. cap. 250 t. Storage cap. 800,000 bu.

Decatur—SPENCER KELLOGG & SONS, INC. (See Buffalo, N. Y.)

Decatur—A. E. STALEY MFG. CO. Plant at Painesville, Ohio. (1) A. E. Staley, Jr.; (2) E. K. Scheiter; (3) R. C. Scherer; (4) R. S. Bass; (5) H. J. Kapp; (6) M. J. Longbons; (7) Dr. R. E. Greenfield; (8) H. T. Morris. Exp. and Hexane solv. "Staley's" oil meal and pellets. Extracted, hi-fat and lo-fat soy flour.

East St. Louis—COLCHESTER PROCESSING CO. (1)E. C. Andrews; (2, 5, 6, 8) E. L. McKee; (3, 4) E. F. Dunmeyer; (7) C. Karraker; (9) Wallace V. Weidner. 1 exp. 22½ t. cap. "Colpro" soybean oil meal.

Galesburg — GALESBURG SOY PRODUCTS CO., 1021 S. Henderson St. (1, 5, 6, 8) Max Albert; (3, 4) Anna S. Albert; (2) Betty Albert; Eleanor Albert, ass't. vice president; Lois Albert, ass't. vice president; (7) L. A. Townsend. 6 exp., cap. 150 t. Storage cap. 425,000 bu. "Triple Value" brand 41% protein soybean oil meal.

Gibson City—CENTRAL SOYA CO., INC. (Head offices Ft. Wayne, Ind.) (9) T. H. Allwein. 12 exp., cap. 350 t. Solv., cap. 400 t. Storage cap. 4,000,000 bu. "Centrol" soybean oil meal. "Centrol" soybean oil products. "Master Mix" feeds and pellets.

Ipava — IPAVA FARMERS PROCESSING CO., affiliate of Ipava Farmers Elevator Co., also at New Phily and Cuba, Ill. (1) P. J. Fleming; (2) L. S. Robinson; (3, 4) J. D. Larue; (5, 6, 8) F. P. Brown; (7) Leland Foster; (9) and gen. mgr., C. O. Snedeker. 2 French pr., cap. 37 t. Storage cap. 250,000 bu. "Ipco" soybean oil meal. "Its-Top Notch" mixed feeds and pellets.

Kanknkee—BORDEN'S SOY PROCESSING CO., Grinnell Road. (Division of the Borden Co.) (1) C. F. Kieser; (2, 9) Edward M. O'Connor; (3, 4) P. J. Queroli; (5, 6, 9) J. R. Pentis; (7) G. W. Harris. Naptha solv. cap. 225 t. Storage cap. 900,000 bu. "Borden's" soybean oil meal.

Mascoutah—PH. H. POSTEL MILLING CO. (1) E. H. Postel; (2) D. M. Braswell; (3, 4) A. S. Lee; (5, 7) Laurel Teichman; (6, 8, 9) J. W. Huegely. 2 exp., cap. 36 t. Storage cap. 200,000 bu. "Elegant" soybean oil meal and feeds.

Monmouth—RALPH WELLS & CO., 530 S. 3rd St. (Plant at 600 S. Third). Owner, Ralph Wells. (2) Willis H. Wells; (3) Adrian R. Wells; (4) Norman Wells; (7) Garth Alexander. 2 exp., cap. 25-27 t. Storage cap., Monmouth 210,000 bu.; Cameron, Ill., 15,000 bu.; Gerlaw, Ill., 10,000 bu. "Wells Pure Old Process" soybean oil meal.

Nashville—HUEGELY ELEVATOR CO. (1, 5, 6, 8, 9) J. W. Huegely; (2, 3, 4) Ralph Lesemann; (7) Howard Reves. 1 exp. Storage cap. 175,000 bu. "H" brand soybean oil meal.

Norris City — NORRIS CITY MILLING CO. (1) Loy Norrix; (2) Elden Beeks; 3, 4, 5) S. W. Edwards. 2 exp., cap. 30 t. Storage cap. 125,000 bu.

Pana — SHELLABARGER MILLS, INC. (Offices Citizens Bank Bldg., Decatur, Ill.) (1, 4) W. L. Shellabarger; sales mgr., H. M. Rice; (2) R. E. Baer; (3, 5) D. S. Shellabarger; (7) L. H. Kasper; traffic mgr., W. G. Frahlman. 8 exp., cap. 150 t. Storage cap. 800,000 bu. "Shellabarger's" soybean oil meal.

Peoria—ALLIED MILLS, INC. General office, 3400 Board of Trade Bldg., Chicago 4, Ill. Expeller plant. (7) J. B. DeHaven, Jr.; (9) G. R. Baumbach. "Wayne" soybean oil meal, mixed feeds and pellets.

Quincy—QUINCY SOYBEAN PRODUCTS CO., 111 S. Front St. (1, 5, 6, 8) Irving J. Rosen; (7, 9) W. V. Simmons; office mgr., W. E. Sigafoose. 9 exp., cap. 150 t. Storage cap. 600,000 bu. "Purity" 41% protein soybean oil meal.

Roanoke—EUREKA MILLING CO. (1, 5, 6) J. D. Schumacher; (3, 4) Mattie Leman; (7) E. L. Herbst; (8, 9) J. H. Schumacher. 1 exp., cap. 15 t. Storage cap. 100,000 bu. "EMCO" soybean oil meal and feeds.

Rock Falls—STERLING SOYBEAN CO., INC. (1, 5) Edw. J. McGinn; (2, 9) H. V. McGinn; (3, 4, 6, 8) O. L. McGinn. 3 exp., cap. 60 t. Storage cap. 300,000 bu. "Old Process" soybean oil meal.

Springfield—CARGILL, INC. Head offices 200 Grain Exchange, Minneapolis 15, Minn. (9) Eric Nadel. 6 exp. "Cargill" soybean oil meal.

IOWA SOYA COMPANY

PROCESSORS

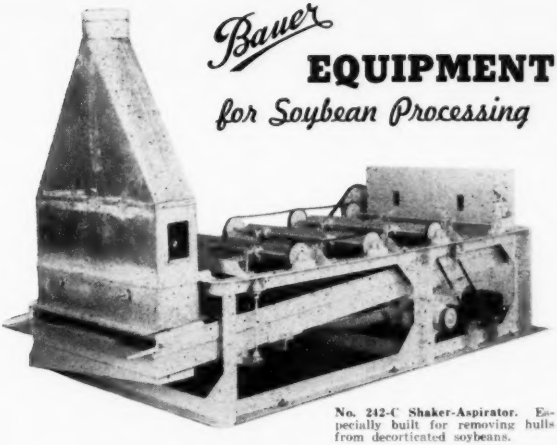
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REDFIELD 44% SOYBEAN OIL MEAL

REDFIELD, IOWA

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No. 242-C Shaker-Aspirator. Especially built for removing hulls from decorticated soybeans.

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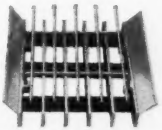
A few pieces of Bauer equipment are shown on this page. We make other types of cleaners, shakers, magnetic separators, attrition and hammer mills; also cake breakers, crushers, granulators, etc. All are illustrated and described in our catalogs and bulletins.

We suggest that you ask for our catalog No. 50 which shows the complete line of Bauer equipment. Then we'll be happy to give you specific information on any articles which particularly interest you.

Before you make any commitments on processing equipment, be sure to learn about the Bauer line.



No. 406 Hammer Mill. Designed for grinding meal residues.



Magnetic Grate. For installation in floor openings, hoppers, and vertical spouts. Made in sizes from 2″ x 4″ to 6′ and 8′ square. Catches all ferrous inclusions as well as sticks, stems, strings, rags, etc. Nothing else like it!

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1744 SHERIDAN AVE., SPRINGFIELD, OHIO

Established 1878

Taylorville—ALLIED MILLS, INC. General office, 3400 Board of Trade Bldg., Chicago 4, Ill. Hexane solv. plant. (7) L. L. Meriwether; (9) I. C. Bradley. "Wayne" soybean oil meal, mixed feeds and pellets.

Vermont—BADER & CO. Offices at Astoria, Rushville, Prairie City, Walnut Grove, Macomb, Swan Creek, Adair. (1, 5, 6, 8) B. B. Bader; (2, 7, 9) Myron Shaw; (3, 4) Harry Chick. 1 exp., cap. 25 t. Storage cap. 320,000 bu. "Bader's" soybean meal. "Bader's Atomic" mixed feeds and pellets.

Virden — HULCHER SOYA PRODUCTS, INC. Gen. mgr. S. W. Mahan; (1) Norman E. Hulcher; (3, 4) Harold L. Foster; (7) Herman Helmerich; (9) John Curran. 2 exp., cap. 35 t. Storage cap. 225,000 bu. "Hulcher Old Process" soybean oil meal.

INDIANA

Angola—ANGOLA SOYA CO., N. Williams St., P. O. Box 358. Solv., cap. 5 t. Storage cap. 1400 bu. Partnership, Reginald Hale and Alfred Hale.

Bunker Hill — LADD SOYA, INC. (1) Wayne Ladd; (2) John W. Ladd; (3) Mary Ellen Ladd. 3 exp., cap. 60 t. Storage cap. 150,000 bu. "Ladd" 41% soybean oil meal.

Decatur—CENTRAL SOYA CO. (Head offices Ft. Wayne, Ind.) (9) C. I. Finlayson. 20 exp., cap. 450 t. Solv., cap. 400 t. Storage cap. 4,750,000 bu. "Central" soybean oil meal. "Centrol" soybean oil products. "Master Mix" feeds and pellets.

Ft. Wayne—CENTRAL SOYA CO., INC., 300 Old Fort Wayne Bank Bldg. (Plants at Gibson City, Ill.; Decatur, Ind.; Marion, Ohio.) Chmn. of board, Dale W. McMillen, Sr.; v. chmn. of board, Dale W. McMillen, Jr. (1) Fred W. Thomas; (2) Harold W. McMillen, W. E. Huge, Geo. D. MacLean, Charles W. Crowe, Norman F. Kruse; (3, 4) Edward T. Schele; ass't sec. and comptroller, Richard N. Allen; (5, 6) W. E. Huge; (8) B. A. Townsend; director of sales feed div., Harold W. McMillen. "Central" soybean oil meal. "Centrol" soybean oil products. "Master Mix" feeds and pellets.

Frankfort—SWIFT & CO., (Home office Chicago, Ill.) (5, 9) S. D. Hollett; (7) A. J. Sibley; (8) W. W. Moore. "Swift's" soybean oil meal

Indianapolis—GLIDDEN CO., 1160 W. 18th St. (1) Dwight P. Joyce; (2) R. G. Golseth; (3) C. M. Kolb; (4) J. A. Peters; (5) T. C. Adam; (6, 8) F. M. Ferguson; (7) Clayton Vogt. Hexane solv., cap. 250 t. Storage cap. 1,500,000 bu. "Glidden Quality Products" meal, mixed feeds and pellets.

Lafayette — RALSTON PURINA CO., Wabash Ave. (Head office St. Louis, Mo.) (7) N. R. Adkins; (9) Ralph M. Guenther. 6 exp., cap. 145 t. Storage cap. 800,000 bu. "Purina Chows" feeds.

Marion — HOOSIER SOYBEAN MILLS, INC., 33rd & Nebraska St. (1) H. G. Hipps; (5, 8) Wm. E. Ohlemeyer; (7) Geo. E. Zeller. 5 exp. Storage cap. 230,000 bu. "Hoosier" soybean oil meal.

DECATUR SOY PRODUCTS COMPANY

Quality — Plus Courteous Service

"Illini" Brand

Soybean Oil Meal

41% Expeller Type

Crude Soya Oil

Tank Cars Only

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"PURITY BRAND"

SOYBEAN OIL MEAL

- **Old Process**
- **Expeller**
- **Uniform Grind**
- **Golden Color**

WELL LOCATED

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Prompt, courteous service on "Purity Brand" Soybean Oil Meal.

QUINCY

SOYBEAN PRODUCTS COMPANY

111 So. Front St.

QUINCY, ILLINOIS

PROCESSORS—Continued

Portland — HAYNES SOY PRODUCTS, INC. (1, 6, 9) Clarence E. Peters; (2, 4) W. H. Starbuck; (3) John C. McCrum; (5, 8) Walter V. Hilfiker; (7) Earl A. Thomas. 4 exp., cap. 100 t. Storage cap. 285,000 bu. "Haynes Soy Products" oil meal.

Rushville—RUSH COUNTY FARM BUREAU CO-OP. ASSN. (Subsidiary Indiana Farm Bureau Co-op Assn.) (1) Wendell Kirkpatrick; (3) Rea Ging; (5) Lawrence Alsop; (6, 7, 8, 9) Howard Earnest. 1 exp., cap. 15 t. Storage cap. 50,000 bu. "Farm Bureau" soybean oil meal, mixed feeds and pellets.

Wabash — WABASH CO. FARM BUREAU CO-OP. ASS'N., 179 E. Sinclair St. (Affiliate of Ind. Farm Bureau Coop. Ass'n.) Plants also at Speicher and Treaty. (1) P. J. Milam; (3) John Chamberlain; (9) Dwain Amones. 1 exp., cap. 18 t. Storage cap. 150,000 bu. "Farm Bureau Co-op." meal.

IOWA

Belmond — GENERAL MILLS, INC., chemical division. (Office, Minneapolis, Minn.) Grain buyer and office mgr., H. C. Stokke; (7) W. B. Hotvet. Hexane solv., cap. 250 t. Storage cap. 1,500,000 bu. "General Mills 44%" protein soybean oil meal.

Cedar Rapids—CARGILL, INC. Head offices 200 Grain Exchange, Minneapolis 15, Minn. (9) C. W. Bohlander. Solvent. "Cargill" soybean meal.

Cedar Rapids—IOWA MILLING CO., 411 6th St., N.E. (1) Joe Sinaiko; (3) Samuel Maslon; (5, 6, 8) H. R. Scroggs. 10 exp., cap. 180 t. Storage cap. 600,000 bu. "Hygrade" soybean oil meal.

Cedar Rapids — QUAKER OATS CO. (Home office Merchandise Mart Plaza, Chicago 54, Ill.) Soybean oil and meal.

Centerville — PILLSBURY MILLS, INC. (Offices feed and soy div., Clinton, Iowa.) (1) C. H. Hendrix; (2) H. R. Schultz, D. W. Hunter. (5) E. E. Fletcher; (6) and meal sales, R. C. Ilstrup; (7) Floyd Crowe; (9) V. J. Kearney. Exp. plant, cap. 100 t. daily. Storage cap. 600,000 bu. Crude soybean oil and soybean oil meal.

Clinton—PILLSBURY MILLS, INC., 200 Wilson Bldg. (See under Centerville, Iowa) (5) Walter Sikkema; (6) and meal sales, R. C. Ilstrup; (7) Harry Krick; (9) A. L. Petersen. Solv. ext., cap. 200 t. Storage cap. 1,000,000 bu. Soybean oil (crude and once refined), soybean oil meal and soybean lecithin.

Des Moines — SPENCER KELLOGG & SONS, INC. (See Buffalo, N. Y.)

Des Moines—SWIFT & CO., Box 38, Highland Park Station. (Home office Chicago, Ill.) (5, 9) C. D. Witaker; (8) H. F. Lester; (7) G. G. Scott. "Swift's" soybean oil meal.

Dike — FARMERS COOPERATIVE CO. (1) Heye Dieken; (2) Horace D. Brown; (3) Edward Sherwood; (5) C. M. Gregory. 2 exp., cap. 40 t. Storage cap. 510,000 bu. "Felco" soybean oil meal and feeds.

Dubuque — DUBUQUE SOY PRODUCTS CO., 18th and Sycamore Sts. (5, 6, 8) Jack Edson; (7) F. J. Beckwith; (9) Cecil G. Johnson. 1 exp., cap. 20 t. Storage cap. 100,000 bu.

Eagle Grove—BOONE VALLEY COOPERATIVE PROCESSING ASSOCIATION. (1) Ralph Olson; (2) Harry Bernard; (3, 4) Floyd Crim; (5) Jim Farrell; (7) Charles Loux; gen. mgr., Edward Olson; ass't. mgr., Donald Laurent; sec., Mrs. Marian Harald. 2 exp., cap. 38 t. Storage cap. 120,000 bu. "Co-op" soybean oil meal, feeds and pellets.

ROACH
SOYBEAN
MILLS
INCORPORATED
Plainfield, Iowa

Extraction Process

Roach 44% Soybean Meal

Roach Soybean Oil

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DANNEN MILLS, Inc.
Send us your Soybeans
2,500,000 bushel Processing Capacity
ST. JOSEPH, MO.
DANNEN

Fairfield — DOUGHBOY INDUSTRIES, INC., 711 S. Depot St. (Main offices, New Richmond, Wis.) (1) E. J. Cashman; (2, 9) Paul Bauch; (3) W. T. Doar; (4) R. H. Harding; (7) Emil Van De Voorde. 3 exp., cap. 60 t. Storage cap. 125,000 bu. "Doughboy" oil meal, feeds and pellets.

Fayette—FAYETTE SOY BEAN MILL, (Owned by Chas. and C. J. Halverson) (9) L. A. Rose. 2 exp., cap. 37 t. Storage cap. 170,000 bu.

Fort Dodge — BORDEN'S SOY PROCESSING CO. (See under Waterloo.) Storage cap. 300,000 bu.

Fort Dodge—CARGILL, INC. Head offices, 200 Grain Exchange, Minneapolis 15, Minn. (9) H. E. Marxhausen. Solvent. "Cargill" soybean meal and pellets.

Gladbrook — CENTRAL IOWA BEAN MILL. (1, 4, 5, 6) Paul H. Klinefelter; (2, 3) Florence N. Klinefelter. 3 exp., cap. 60 t. Storage cap. 415,000 bu. "Soya, Chief of the Feeds" oil meal.

Hubbard—BOONE VALLEY PROCESSING ASSOCIATION. (1) Ralph Olson; (2) Harry Bernard; (3, 4) Floyd Crim; (5) Jim Farrell; gen. mgr., Edward Olson; (7) and ass't mgr., D. E. Weld; asst. to asst. mgr., Kenneth Wright. 2 exp., cap 35 t. Storage cap. 80,000 bu.

Iowa Falls — RALSTON PURINA CO. (Head office St. Louis, Mo.) (5, 9) H. N. Johnson; (7) Geo. W. Oswald. 7 exp., cap. 170 t. Solv., cap. 250 t. Storage cap. 1,360,000 bu. "Purina Chows" feeds.

Manly—NORTH IOWA COOPERATIVE PROCESSING ASSOCIATION. (1) Earl M. Dean; (2) M. G. Frabricius; (3, 4) Earl L. Dickinson; (7) Harold Tietjens; (9) Glenn Pogeler. 2 exp., cap. 40 t. Storage cap. 140,000 bu. "Felco" soybean oil meal.

Marshalltown — MARSHALL MILLS, INC., Washington & Second St. (1) Fred Johnson; (2, 7) J. B. Saccaro; (3, 5, 6, 8) J. L. Johnson; (4) Vernon N. Johnson. 2 exp., cap. 70 t. Storage cap. 50,000 bu.

Martelle — FARMERS COOPERATIVE ELEVATOR. (1) Charles M. Wickham; (2) Harry Newman; (3, 4) Harry Holcomb; (5, 6, 8, 9) Henry B. Lovig; (7) Floyd M. May. 1 exp., cap. 20 t. Storage cap. 90,000 bu. "Felco" soybean oil meal and feeds.

Muscatine — HAWKEYE SOY PRODUCTS CO. Office 500 E. 2nd St.; Plant, Orange and Front St. (Affiliate of McKee Feed & Grain Co.) (1, 5) L. R. McKee, sole owner; (5, 6) H. G. McKee. 2 exp., 30 t. capacity. Storage cap. 250,000 bu. "Hawkeye" meal.

Muscatine — MUSCATINE PROCESSING CORP., 205 Green St. (1) S. G. Stein; (2) F. J. Prochaska, G. A. Kent; (3) R. C. Kautz; (4) V. B. Snyder; (5) M. C. Larson; (6, 8) C. D. McDermott; (7, 9) H. A. McFate. Solv. cap. 100 t. Storage cap. 500,000 bu. "Port City" soybean oil meal.

New Hampton—EASTERN IOWA MILLING CO. Owned and operated by G. A. Ward. 1 exp., cap 20 t. Storage cap. 110,000 bu.

Plainfield — ROACH SOYBEAN MILLS, INC. (Subsidiary J. Roach Sons, Inc.) (1) Howard L. Roach; (2, 5, 6) James L. Roach; (4) E. A. Roach; (3, 6, 7, 8, 9) John P. Roach. Trichlorethylene solv., cap. 18 t. Storage cap. 150,000 bu. "Roach" soybean oil meal. "Roach's Rations."

Quimby — SIMONSEN MILL-RENDERING PLANT, 2 mi. w. of Quimby. Manager, Doyle W. Simonsen; (9) Alton Simonsen. 4 exp., cap. 40 t. Storage cap. 90,000 bu. "Simonsen" soybean oil meal and mixed feeds. (Also process flax.)

Ralston — FARMERS COOPERATIVE ASSOCIATION. (1) L. H. Gregory; (2) Otis Knight; (3, 4) Carl R. Cook; (5, 6, 8) Karl Nolin; (7) Frank Smith. 2 exp., cap. 37 t. Storage cap. 685,000 bu. "Farmers" soybean oil meal and pellets.

Redfield—IOWA SOYA CO., INC. (1) H. R. Straight; (2, 9) Donald C. Ogg; (4, 5) L. D. Ketelsen; (3, 6, 8) J. D. Frantz; (7) A. L. Hoff; plant engineer, R. L. Thomas; plant chemist, D. H. Kingsley. Naptha solv., cap. 200 t. Storage cap. 1,050,000 bu. "Redfield" oil meal.

Sac City—WILLIAMS MILLING CO. Gen. Mgr., Leo. W. Williams; (5) R. C. Hink; (7) Glenn Sams; (8) J. C. Laughlin. 4 exp., cap. 80 t. Storage cap., Sac City 200,000 bu. Nemaha 100,000 bu., Lake View 100,000 bu. Lytton 40,000 bu. "Williams" soybean oil meal, feeds and pellets.

Sheldon—BIG 4 COOPERATIVE PROCESSING ASSOCIATION, 111 9th St. (1) Ed Dobbertin; (2) Doores Waanders; (3, 4) L. M. Penning; (5, 6, 9) Charles W. Hanson; (7) Reuel Jacobs; (8) Kenneth McQueen. 3 exp., cap. 50 t. Storage cap. 55,000 bu. "Felco" soybean oil meal.

Sioux City—SIOUX SOYA CO., 11th and Clark Sts. (1) Henry M. Sherman; (2) E. N. Grueskin; (3) Mike Sherman; (4) Phillip Sherman; (5, 8, 9) Richard Lord; (6) Henry Sherman; (7) A. G. Kilwer. 4 exp., cap. 85 t. Solv. cap. 120 t. Storage cap. 500,000 bu. "Su Soy" soybean oil meal and pellets.

Spencer—CARGILL, INC. (Head office 200 Grain Exchange, Minneapolis 15, Minn.) (9) W. S. Wheeler. Solvent. "Cargill" soybean meal and pellets.

Washington—CARGILL, INC. (Head offices 200 Grain Exchange, Minneapolis 15, Minn.) (9) Hugo Lensch. Solvent. "Cargill" soybean meal and pellets.

Waterloo — BORDEN'S SOY PROCESSING CO. (Division of Borden Co., New York, N. Y.) Plants at Waterloo, and Fort Dodge, Iowa; Kankakee, Ill. (1) C. F. Kieser; (2, 6, 9) Edward M. O'Connor; (3, 4) P. J. Queroli; (5, 8) A. C. Smith; (7) F. P. Parkin. 5 French screw pr., cap. 90 t. Naptha solv. cap. 240 t. Storage cap. 1,000,000 bu. "Borden's Cedar Valley Brand Old Process" soybean oil meal.

West Bend—WEST BEND ELEVATOR CO. (1) R. B. Berninghaus; (2) John Bleuer; (3, 4) A. B. Carter; (5, 6, 8, 9) R. W. Jurgens; (7) Harold W. Baas. 1 exp., cap. 20 t. Storage cap. 575,000 bu. "Felco" soybean oil meal and feeds.

KANSAS

Coffeyville — CONSUMERS COOPERATIVE ASSOCIATION SOYBEAN MILL (Office 318 E. 10th St., Kansas City, Mo.) (1) H. A. Cowden; (7, 9) Clayton Hejtmanek. 2 exp., cap. 55 t. Storage cap. 320,000 bu. "Co-op" soybean oil meal and pellets.

Emporia — KANSAS SOYA PRODUCTS CO., INC., Offices E. Fifth Ave. (1) J. J. Morris; (2) and gen. mgr., Elmer L. Buster; (2, 3) Everett Steerman; (2, 4) Donald Johnson; (7) T. R. Barnhart. 8 exp., cap. 175 t. Expeller plant cap., 125 t. Storage cap. 550,000 bu. Hexane solvent. "Sunflower" soybean oil meal, pellets and feeds.

Fredonia — ARCHER - DANIELS - MIDLAND CO. (See Minneapolis, Minn.)

Girard — PRODUCERS COOPERATIVE ASSN. Manager, S. O. Frey. 1 exp., cap. 22½ t. Storage cap. 60,000 bu. "Producer" soybean oil meal and feeds.



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Hiawatha—THOMSON SOY MILL, 10th & Miami. (1) A. G. Thomson; (7) C. E. Nelson. Trichlorethylene solv., cap., 30 t. Storage cap. 90,000 bu. "Scotch" soybean oil meal and pellets. Soy flour.

Kansas City — KANSAS SOYA PRODUCTS CO., INC., 18th & Bayard. (See under Emporia, Kans.) 5 exp., cap. 125 t. Storage cap. 250,000 bu. "Sunflower" soybean oil meal and pellets.

Wichita—SOY-RICH PRODUCTS, INC. Office 507 Wheeler Kelly Hagny Bldg. Plant 1426 N. Mosley. (1) Geo. Armstrong; (2) War Brooks; executive v. p. Ralph S. Moore; (3, 4) Elmer C. Moore; assistant sec. and treas. Harold J. Moore; (7) Jess Turner; (8) J. W. Thelman. 3 exp., cap. 60 t. Solv. cap. 75 t. Storage cap. 75,000 bu. "Four Leaf Clover" soybean oil meal and pellets.

KENTUCKY

Henderson — OHIO VALLEY SOYBEAN COOPERATIVE. (1) Charles B. Smith; (2) Oscar D. Keck; (3, 4, 5, 6, 8, 9) G. W. Allen; (7) A. I. Reisz. 3 exp., cap. 70 t. 85 ton solvent unit. Storage cap, 765,000 bu. "Cardinal Quality" soybean oil meal.

Louisville—BUCKEYE COTTON OIL CO. (7) Jack Gardner; dist. mgr., R. B. Williams.

Louisville 10—LOUISVILLE SOY PRODUCTS CORP. Plant 2400 S. Brook St. Warehouse 1361 So. 15th St. (1, 5, 6, 8) Harold A. Miller; (3) Arthur J. Deindoerger; (4, 8) Edwin J. Hurst; (7) Walter J. Stone. Hexane solv., cap. 150 t. Storage cap. 300,000 bu. "Lou Soy" soybean oil meal.

Owensboro — OWENSBORO GRAIN CO. (1) Wm. M. O'Bryan; (3) Hugh P. Aud; (2) Henry E. O'Bryan. 4 exp., cap. 75 t. 1 exp., cap. 100 t. Storage cap. 350,000 bu. "Greendale" 41% soybean oil meal and "Ograco" 44% solv. soybean oil meal.

LOUISIANA

Alexandria—RED RIVER COTTON OIL CO., INC., 514 N. 16th St. (1) J. E. Byram; (2, 5, 6, 8) J. E. Byram, Jr.; (3, 4) L. C. Waddell; (7) H. L. Zoder. 10 hydraulic pr. 3 exp., cap. 100 t. Storage cap. 500,000 bu.

New Orleans 12—SOUTHERN COTTON OIL CO., 210 Baronne St. Dist. offices Goldsboro, N. C.; Columbia, S. C.; Atlanta, Ga.; Cullman, Ala. (1) A. Q. Petersen; (2) W. F. Guinee; (2) M. W. Lyons; (2) L. C. Haskell, Savannah, Ga.; (2) E. A. Geohegan; (3) W. F. Hoerner; (4) C. M. Carriere.

Shreveport—SOUTHLAND COTTON OIL CO. (See Paris, Texas.)

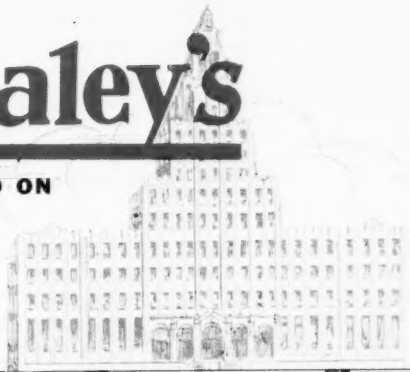
Tallulah — TALLULAH OIL MILL & GIN, Box 590. (Affiliate of Mississippi Cottonseed Products Co.) (5, 6, 8, 9) Maxwell Yerger; (7) J. L. Rush. 9 hyd. pr., cap. 55 t. Storage cap. 125,000. 41% protein meal.

West Monroe—UNION OIL MILL, INC. (1) C. W. Wallace; (2) F. W. Scott; (3, 4) A. B. Calmer; (7) C. N. Anderson. 24 hydraulic pr. Solv. cap., 125 t. Storage cap. 300,000 bu. "Union" soybean oil meal and pellets. Annual crush 150,000 bu.

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MICHIGAN

Saline—SOYBRANDS DIVISION. (1) J. J. Hamel; (2, 4) E. F. Hamel; (3) J. J. Hamel, Jr.; (9) B. L. Parsons. Hexane solv., cap. 33 t. Storage cap. 15,000 bu. "Soybrands" oil meal.

MINNESOTA

Blooming Prairie — FARMERS CO-OP ELEVATOR ASSN., Soybean Processing Div. (1) Ormanzo Peterson; (2) Harold Symes; (3, 4) T. B. Peterson; (5, 6, 8, 9) Wilbur P. Bidne; (7) Don Sandberg. Trichlorethylene solv., cap. 25 t. Storage cap. 120,000 bu. "Prairie" 44% soybean oil meal, "Prairie" 44% soybean flakes and "Farmers Best" feeds.

Dawson—TRI-COUNTY COOPERATIVE SOYBEAN ASSN. (1) Carl M. Hanson. Daily cap. 50 t.

Glencoe — FARMERS & MERCHANTS MILLING CO., INC., 1011 Elliot. (1) Lars Liefson; (2) John Bednar; (3) Hubert Smith; (4) Frank Heaney; (5, 6, 8, 9) L. H. Patten; (7) Warren Pliesels; ass't mgr. C. J. Olson. Trichlorethylene solv., cap. 25 t. Storage cap. 20,000 bu. "Glencoe" meal, feeds, pellets.

Lakeville — CONSUMER'S SOYBEAN MILLS, INC. (Office 1122 Flour Exchange Bldg., Minneapolis 15, Minn.) (1, 5) Riley W. Lewis; (2) Harry J. Lewis; (3, 4, 8) Donald E. Lewis; (7) Robert Diers. 4 exp., cap. 80 t. Storage cap. 120,000 bu. "Consumer's" soybean oil meal.

Mankato—ARCHER - DANIELS - MIDLAND CO. (See Minneapolis, Minn.)

Mankato — HONEYMEAD PRODUCTS CO., 202 Given St. (1, 5, 6) Clive F. Marshall; (2, 3, 4, 9) L. W. Andreas. 5 exp., 250 t. Solvent plant.

Minneapolis — ARCHER - DANIELS - MIDLAND CO. 600 Roanoke Bldg. (Operates soybean processing plants at various points.) (1) T. L. Daniels; (2, 5) F. E. Benson; (2, 6) A. C. Hoehne; (8) John P. Broshard; mgr. soy flour sales, R. G. Brierley. "Archer Brand" soybean oil meal, pellets and feeds. Defatted, low fat and full fat soy flour.

Minneapolis — CARGILL, INC. Offices 200 Grain Exchange. (Plants at Springfield and Chicago, Ill.; Cedar Rapids, Fort Dodge, Spencer and Washington, Iowa; Port Cargill, Minn., and Philadelphia, Pa.) (1) J. H. MacMillan, Jr.; (2) D. O. Andreas, head oil div.

Minneapolis — GENERAL MILLS, INC., chemical division, 700 General Mills Bldg. (Plant at Belmond, Iowa.) (1) W. H. Eastman; (2, and director of sales) S. D. Andrews, Jr.; (2, 6) W. E. Flumerfelt; (2) C. M. Dewey; (2) E. E. Wooley; (3) E. K. Smith; (5, 8) F. H. Hafner; (7) W. B. Hotvet; grain buyer, H. C. Stokke. "General Mills 44%" protein solv. (Hexane), extracted meal.

Minneapolis — MINNESOTA LINSEED OIL CO., 25-44th Ave. NE. (1) E. H. Russell; (2) V. Wurtele; (3, 4) L. T. Gartner; (5) Ray Lindquist; (6) Carl H. Schinke; (7, 9) George N. Walker; (8) John M. Strate. 18 exp., cap. 330 t. Solv., cap. 250 t. Storage cap. 1,058,000 bu. "Minnesota" soybean oil meal and pellets.

Minneapolis 2 — PILLSBURY MILLS, INC., 600 Pillsbury Bldg., feed and soy div. Plants at Clinton and Centerville, Iowa. Flour milling, soybean processing, feed manufacture and food products. Manufacture crude and refined soybean oil, meal, lecithin and mixed feeds.

Port Cargill—CARGILL, INC. Head offices 200 Grain Exch., Minneapolis 15, Minn. 11 exp., solv. plant. (9) Harvey Marxhausen.

Preston—PRESTON SOYA MILL, INC. (Registered office, Mapleton, Minn.) (1) Everett A. Frank; (2) P. H. Hegnauer; (3, 4, 6, 8) Edward C. Frank; (5, 9) Otto Koestler; (7) Ed Steinkopf. 3 exp., cap. 50 t. Storage cap. 140,000 bu. "Presto" soybean oil meal.

MISSISSIPPI

Belzoni—BELZONI OIL WORKS, INC. (1) Irby Turner; (2) L. S. Stoner; (3, 4) John Holbrook; (5, 6, 8 & gen. mgr.) H. H. Gantz; (7) Jack Berry. L. L. Ford hexane solv., cap. 60 t. Storage cap. 200,000 bu. "Belco" meal.

Belzoni — HUMPHREYS COUNTY OIL MILL. (Owned by Mississippi Cottonseed Products Co.) (7) H. C. Switzer; mgr., S. A. Pittman. 9 screw pr., cap. 50 t. Storage cap. 150,000 bu. Soybean operations, 4,000-8,000 t.

Clarksdale—PLANTERS MFG. CO.

Columbus — SOUTHERN COTTON OIL CO. (Dist office, Cullman, Ala. Main office 210 Baronne St., New Orleans 12, La.) (7) J. L. Tennent, Jr.; (9) Y. E. Travis.

Corinth—BUCKEYE COTTON OIL CO. Dist. mgr., A. J. Vaughan, Jr.; (7) N. A. Garrison.

Greenville—GREENVILLE OIL WORKS. (Office, Mississippi Cottonseed Products Co., Box 316.) (5) C. A. Lundy; (6, 8, 9) Hal Harris; (7) B. C. Lundy; G. B. Crittenden, ass't mgr.; V. J. Lusk, cashier. 15 screw pr., cap. 100 t. Storage cap. 150,000 bu.

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PROCESSORS—Continued

Greenville — MAGNOLIA SOY PRODUCTS CO., Hiway No. 1 and Theobald, Box 183. (1) J. M. Warren; (2) Lyman Reed; (3) A. L. McKee; (7) Frank McDonald. Trichlorethylene solv., cap. 125 t. Storage cap. 300,000 bu. "Magnolia" soybean oil meal.

Greenville—REFUGE COTTON OIL CO. (Affiliate Southern Cotton Oil Co., 210 Baronne St., New Orleans 12, La.) (7) T. W. Kelly; (9) J. B. Baird.

Greenwood — BUCKEYE COTTON OIL CO. Dist. mgr., W. W. Scruggs; (7) L. M. Reid, Jr.

Greenwood — MISSISSIPPI COTTONSEED PRODUCTS CO. (Offices at Jackson, Miss.) (1) W. D. Lowe; (2) G. E. Covington; (2) J. B. Perry, Jr.; (3) H. E. Covington; (4) J. R. Mason; (7) A. F. Wamble; (9) N. F. Howard. 18 hydraulic pr., cap. 75 t. Storage cap. 175,000 bu.

Grenada—GRENADA OIL MILL, Box 1125, Line St. and I.C.R.R. Co. (Affiliate Mississippi Cottonseed Products Co.) (1) H. E. Covington; (2) J. B. Perry, Jr.; (3, 4) J. R. Mason. 9 hydraulic pr., cap. 60 t. Operations 20% soybeans.

Indianola—SUNFLOWER COTTON OIL CO., P. O. Box 389. (Owned by Mississippi Cottonseed Products Co., Jackson, Miss.) (1) H. E. Covington; (3, 4) J. R. Mason.; gen. mgr., J. B. Perry, Jr. 12 hydraulic pr., cap. 60 t. Storage cap. 350,000 bu.

Jackson—BUCKEYE COTTON OIL CO. Dist. mgr., R. R. Mills; (7) E. A. Gaulding.

Jackson—MISSISSIPPI COTTON OIL CO., (Gen. office, Standard Life Bldg.) Plant 177 N. Gallatin. (Affiliate of Mississippi Cottonseed Products Co., Jackson, Miss.) 12 hydraulic pr.

Jackson — SOUTHLAND COTTON OIL CO. (See Paris, Texas.)

Magnolia—MAGNOLIA COTTON OIL CO. (Affiliate of Mississippi Cottonseed Products Co., Jackson, Miss.) (1) H. E. Covington; (2) J. B. Perry, Jr.; (3, 4) J. R. Mason; (5, 6, 8, 9) G. E. Covington; (7) James Burrows. 12 hydraulic pr., cap. 65 t. Storage cap. 250,000 bu. "Magnolia" soybean oil meal and pellets. Operation 50% soybeans.

Marks—RIVERSIDE OIL MILL. (9) W. K. Self. 5 screw pr., cap. 120 t. Storage cap. 100,000 bu. "Expello" soybean oil meal.

Newton — NEWTON OIL MILL (Affiliate of Mississippi Cottonseed Products Co., Jackson.) (9) W. R. Jones. 9 sc. pr.

Tunica — PLANTERS OIL MILL. (1) M. G. Burrow; (2) C. P. Owen; (3) Mrs. J. T. Watson; (5, 6, 8) C. E. White; (7) B. M. Julian. 12 hydraulic pr., cap. 80 t. Storage cap. 200,000 bu. Soybean meal.

Vicksburg—REFUGE COTTON OIL CO., P. O. Box 391. (Affiliate Southern Cotton Oil Co., 210 Baronne St., New Orleans 12, La.) (7) C. C. Hammett; (9) M. J. Harper.

MISSOURI

Kansas City — RALSTON PURINA CO., 2334 Rochester Ave. (Head office St. Louis, Mo.) (5) F. G. Franze; (7) W. H. Kamp; (9) John C. Skaggs. 6 exp., cap. 150 t. Storage cap. 500,000 bu. "Purina Chow" feeds.

Kennett—HEMPHILL SOY PRODUCTS Co. (1, 6) W. A. Hemphill; (2, 6) W. B. Hemphill; (3, 4) J. A. Hemphill; (5) Van Watson; (7, 9) Paul King. 3 exp., cap. 80 t. Storage cap. 700,000 bu. "Circle H" soybean oil meal and pellets.

Kennett — KENNETT OIL MILL, INC. (1) H. E. Covington; (2) P. B. Bartmess; (3, 4) E. O. DeField; (5, 6, 8, 9) N. P. Bartmess.

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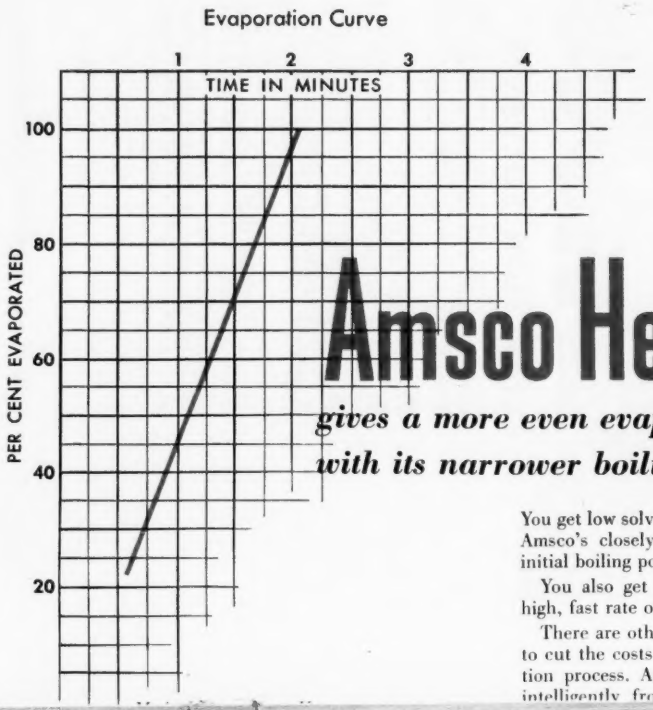
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Pounds/gallon (60° F)	5.703
A.S.T.M Distillation	
I.B.P.	151° F.
50%	154° F.
90%	154° F.
Dry Point	156° F.
Vapor Pressure @ 100° F, psia	5.0
Color, Saybolt	30 plus
Corrosion	pass
Doctor Test	sweet
Acidity	not acid

All specifications shown are typical of general control specifications and subject to minor fluctuations.

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Mexico—M.F.A. COOPERATIVE GRAIN & FEED CO. (Office 429 Cherokee St., St. Joseph Mo. Affiliate Missouri Farmers Association) (1) F. V. Heinkel; (2) Roy D. Hatcher; (3) R. J. Rosier; (4) gen. mgr. A. J. Loutch; (7, 9) Maurice Maze. 3 exp., cap. 50 t. Storage cap. 650,000 bu. "M.F.A." oil meal, feeds and pellets.

New Madrid—BUCKEYE COTTON OIL CO. (7) W. C. Dabney; dist. mgr., R. W. Coursey.

St. Joseph—DANNEN GRAIN & MILLING CO., Box 429. Plant 900 Lower Lake Rd. (1) H. L. Dannen; (2) Dwight L. Dannen; (3, 4) F. A. Manuschreck; (5) A. E. Frank; (6, 8) E. A. Gumbert; (7) George Lippold; (9) Dudley Holbert. 6 exp., cap. 120 t., solv., cap. 100 t. Storage cap. 2,000,000 bu. at St. Joseph and branches in Iowa, Missouri and Nebraska. "Dannen" soybean oil meal, feeds and pellets.

St. Louis — BLANTON MILL, INC., 3326 N. Wharf. (1) David A. Blanton, Jr.; (2, 5, 6, 8) Ross A. Woolsey, Jr.; (3, 4) John E. Dorn; (8) M. C. Baker; (9) C. Fuhrman; technical dir., Sidney J. Lanier. 3 exp., cap. 81 t. "Blanco" soybean oil meal.

St. Louis—RALSTON PURINA CO., 838 S. 8th St. (Plants at Circleville, Ohio; Iowa Falls, Iowa; Kansas City, Mo.; Lafayette, Ind.; and Bloomington, Ill.) (1) Donald Danforth; (5, 8) Donald B. Walker; (6) Lamar Kishlar; (7) Fred White; (9) H. L. Colwell. 6 exp., cap. 145 t. Storage cap. 1,225,000 bu. "Purina Chows" feeds.

Sikeston—SIKESTON COTTON OIL CO.

Trenton—CENTRAL FARM PRODUCTS CO., 801 Harris Ave. (1) J. A. Knudsen; (2, 6) E. Knudsen; (4) Axel Borglum; (5, 8, 9) H. K. Graham. 1 exp., cap. 20 t. Storage cap. 100,000 bu. "Solo" meal.

NEBRASKA

Fremont — FREMONT CAKE & MEAL CO. (1) John J. Vanier; (2) Harry B. Lilly; (3, 4, 5, 6, 8, 9) Harry E. Wiysel; (7) Del Gaeth. 4 exp., cap. 56 t. Storage cap. 150,000 bu. "Pete Marr" soybean oil meal and pellets.

Lincoln — GOOCH MILLING & ELEVATOR CO. (5) Floyd Chance. 2 exp., cap. 45 t. Storage cap. 500,000 bu. "Gooch's Best" feeds.

Omaha—ALLIED MILLS, INC. General office, 3400 Board of Trade Bldg., Chicago 4, Ill. Expeller Plant. (7) L. Livengood; (9) W. A. Stohrer. "Wayne" soybean oil meal and mixed feeds and pellets.

NEW YORK

Buffalo — ARCHER - DANIELS - MIDLAND CO. (See Minneapolis, Minn.)

Buffalo—SPENCER KELLOGG & SONS, INC., 98 Delaware Ave. Plant, 389 Ganson St. (Plants at Chicago and Decatur, Ill.; Des Moines, Iowa; Bellevue, Ohio.) (1) Howard Kellogg, Jr.; (2) T. C. Jewett; (5) H. H. Richardson; (6) L. J. Chase, Jr.; (8) J. E. Johnson. 15 exp. cap. 230 t. Storage cap. 1,000,000 bu. "Spencer Kellogg's" 44% protein soybean oil meal.

Oswego — OSWEGO SOY PRODUCTS CORP., E. Seneca St. (1) Stewart D. Ormsby; (2) R. F. Taylor; (3, 4) L. H. Amdursky; (7, 9) A. F. Horton; (8) J. B. Strong; ass't sec.-treas. R. C. Lester. 7 exp., cap. 135 t. Hexane solv., cap. 200 t. Storage cap. 200,000 bu. "Oswego Soy Products Corp." oil meal and feeds.

Port Richmond, Staten Island 2 — BROWN OIL & CHEMICAL CORP. (1, 6) E. G. Brown; (3, 4, 5) T. J. E. Brown; (7) E. J. Stanton; (2, 9) R. A. Pollock. 10 exp., cap. 150 t. Storage cap. 100,000 bu. "Brown 41% O.P." soya meal.



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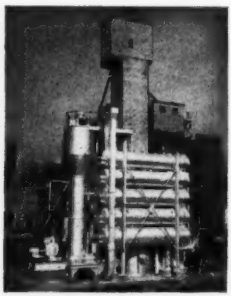
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PROCESSORS—Continued

NORTH CAROLINA

Charlotte 1 — BUCKEYE COTTON OIL CO. Dist. mgr., R. E. Evans; (7) Wm. R. Johnston.

Clayton — CENTRAL OIL & MILLING CO. (1, 4, 5, 6, 8) Paul Keller; (2) Elisabeth S. Keller; (3) J. E. Nelson; (7) E. H. Brazelle. 2 French screw pr., cap. 40 t. Storage cap. 100,000 bu. "Comco" soybean oil meal.

Farmville—MORGAN OIL AND REFINING CO., 600 W. Pine St. (1) Irvin Morgan, Jr.; (3, 4) W. A. Pollard, Jr.; (7) H. V. Dixon. 3 hydraulic pr., cap. 24 t. Storage cap. 35,000 bu. "Jocko" soybean oil meal.

Fayetteville—SOUTHERN COTTON OIL CO. (Dist. office Goldsboro, N. C. Main office, 210 Baronne St., New Orleans 12, La.) (7) J. A. Gault; (9) O. L. Stubbs.

Fremont — FREMONT OIL MILL CO. (1) J. B. Lane; (2) E. R. Lane; (3, 4) Percy Lane Hayes; (7) W. R. Jones. 3 hydraulic pr., cap. 25 t. Storage cap. 15,000 bu. "Fomco" soybean oil meal and crude soybean oil.

Goldsboro — SOUTHERN COTTON CO. Dist. office. (Main office, 210 Baronne St., New Orleans 12, La.) (7) E. W. Jinnette; (9) and dist. mgr., W. V. Westmoreland.

Hertford — SOUTHERN COTTON OIL CO. (Dist. office, Goldsboro, N. C. Main office, 210 Baronne St., New Orleans 12, La.) (7) C. W. Twiddy; (9) C. P. Morris. 8 exp., cap. 50 t. Storage cap. 250,000 bu.

New Bern — NEW BERN OIL & FERTILIZER CO. (1, 4, 5, 6, 8) John S. Weskett; (2) H. G. Swan; (3) P. L. Clodfelter; (7) F. C. Shearin. 6 exp., cap. 35 t. Storage cap. 150,000 bu. "New Bern Oil & Fertilizer Co." soybean oil meal and "N-O-M" feeds.

Raleigh — BUCKEYE COTTON OIL CO. Dist. mgr., L. M. Sneed; (7) J. F. Moody.

Rocky Mount—PLANTERS COTTON OIL & FERTILIZER CO., P. O. Box 912. (1, 6) R. D. Gorham; (2) W. M. Daughtridge, J. D. Robbins; (2, 5, 8) W. T. Melvin; (2, 9) G. W. Gorham, Jr.; (3) T. H. Pitt; (4) J. L. Murphy; (7) C. J. Raynor. 12 screw pr., cap. 60 t. Storage cap. 200,000 bu. "Planco" soybean oil meal.

Rocky Mount—SOUTHERN COTTON OIL Co. (Dist. office Goldsboro, N. C. Main office 210 Baronne St., New Orleans 12, La.) (7) W. J. Davis; (9) J. E. Lambert, Jr.

Tarboro—SOUTHERN COTTON OIL CO. (Dist. office Goldsboro, N. C. Main office 210 Baronne St., New Orleans 12, La.) (7) J. W. Rhodes; (9) W. D. Moore.

Weldon—SOUTHERN COTTON OIL CO. (Dist. office, Goldsboro, N. C. Main office 210 Baronne St., New Orleans 12, La.) (7) W. G. Doss; (9) C. E. King.

Wilson—FARMERS COTTON OIL CO., 510 E. Barnes St. (1, 5, 6, 8) T. F. Bridgers; (2) C. P. Harris, Jr.; (3) John L. Day; (4) H. M. Rogers; (7, 9) R. G. Scruggs. 15 hydraulic pr., cap. 75 t. Storage cap. 275,000 bu. 45% soybean oil meal. Soybean operations 3,000-5,000 t.

Wilson—SOUTHERN COTTON OIL CO. (Dist. office Goldsboro, N. C. Main office 210 Baronne St., New Orleans 12, La.) (7) J. A. Arnold; (9) A. H. Wells.

NORTH DAKOTA

Grand Forks — NORTH DAKOTA MILL & ELEVATOR. Gen. mgr., R. M. Stangler; (5) K. Quaintance; (6) H. A. Tollefson; (8) C. A. Harvey. 2 exp., cap. 50 t. Storage cap. 300,000 bu. "Dakota Maid" soybean oil meal, feeds and pellets. Soybean oil and linseed oil.



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PROCESSORS—Continued

OHIO

Bellevue—SPENCER KELLOGG & SONS, INC. (See Buffalo, N. Y.)

Cincinnati 1—BUCKEYE COTTON OIL CO. General and dist. offices. (2) and gen. mgr., W. F. Bowld; (2) W. H. Knapp, B. J. Gantt.

Cincinnati 32 — THE DRACKETT CO. Office 5020 Spring Grove Ave. (Plant, Sharon Ave. and Lockland Rd.) (1) Roger Drackett; (2, 9) R. B. Alspaugh; (3) K. H. Jones; (4) Albert Heekin; (5) Bolton Drackett; (6) Philip Walters; (7) Don Ramseyer; (8) M. Settelmayer.

Circleville — JOHN W. ESHELMAN & SONS. (Affiliate John W. Eshelman & Sons, Lancaster, Pa.) (1) H. Roy Eshelman; (2) H. J. Eshelman; (3) E. J. Eshelman; (5) E. Howard; (6, 9) H. R. Eshelman, Jr., (7) L. Rihl. 3 exp. "Eshelman Red Rose" soybean oil meal, feeds and pellets.

Circleville—RALSTON PURINA CO., 901 S. Court. (Head office St. Louis, Mo.) (5) C. L. Clark; (7) Ray T. Friend; (9) A. V. Couch. 6 exp., cap. 145 t. Storage cap. 650,000 bu. "Purina Chows" feeds.

Cleveland—SHERWIN-WILLIAMS CO.

Coshocton—FARMERS SOY PRODUCTS CO., Hickory St. (Subsidiary of Coshocton Farmers Exchange Co.) (2) J. A. Randles; (3, 4, 5, 6) B. Miskimen; (7) Lon Jelley; (8) Dean Marty; other officials, Irwin Porteus, Archie Lapp. 2 exp., cap. 30 t. Storage cap. 40,000 bu. "Exco" soybean oil meal.

Delphos — DELPHOS GRAIN & SOYA PRODUCTS CO. (1, 4) Floyd E. Hiegel; (2) William Mericka; (3) F. E. Warren; (5) Kenneth E. Schultz; (6, 8) E. F. "Soybean" Johnson; (7) Lloyd Hatt; traffic mgr., Fred Tegtmeyer. Anderson solv., cap. 120 t. Storage cap. 750,000 bu. 44% soybean oil meal.

Fostoria—SWIFT & CO. (Home office, Chicago, Ill.) (5, 9) H. S. Byrd; (7) F. E. Doll; (8) D. L. Huffman. "Swift's" soybean meal.

Lexington — LEXINGTON SOY PRODUCTS CO. (1, 6, 8) H. E. Carpenter; (2) Duane Vickery; (3, 4, 5) R. P. Carpenter; (7) Raymond Sheer; (9) Phil Carpenter; traffic mgr., M. H. McCullough. 4 exp., cap. 95 t. Solv. cap. 90 t. Storage cap. 540,000 bu. "Red Arrow" soybean oil meal.

Marion—McMILLEN FEED MILLS, INC. (of Ohio), wholly owned subsidiary of Central Soya Co., Inc. (Head office Fort Wayne, Ind.) (9) Robert W. Fay. Solv., cap. 250 t. Storage cap. 1,250,000 bu. "Central" soybean oil meal. "Centrol" soybean oil products. "Master Mix" feeds and pellets.

Ohio City—HOLLAND PIONEER MILLS, INC. (1, 3, 5, 6) G. A. Holland; (2, 4) J. R. Klosterman; (7) Owen Gephart; (8) H. Mansfield; traffic mgr., R. J. Schnitz. 2 exp., cap. 46 t. Storage cap. 200,000 bu. "Lucky Strike" soybean oil meal, feeds and pellets.

Painesville — A. E. STALEY MFG. CO. (Main office Decatur, Ill.) (5, 9) T. Longbons; (7) E. P. Kerven; (8) Lyle Wiegand. Expeller plant. "Staley's" soybean oil meal.

Springfield — FARM BUREAU COOPERATIVE ASS'N., INC., 442 N. Limestone St. (Office 245 N. High St., Columbus, Ohio.) (1) W. N. Woods; (2) Harold P. Richards; (3) H. N. Wilson; (4) K. N. Probasco; (5) M. D. Losey; (6, 8) H. H. Biddle; (7) Walter Snoose; (9) E. A. Mengering. 3 exp., cap. 60 t. Trichlorethylene solv., cap. 25 t. Storage cap. 325,000 bu. "Farm Bureau" soybean oil meal. "Cooperative Mills" feeds.





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Penola

Toledo 11—TOLEDO SOYBEAN PRODUCTS CO., 215 Pontiac St. (5, 6) J. H. Brown. Storage cap. 400,000 bu. "Superduo" soybean oil meal.

Wooster—SOYA PROCESSING CO., 505 Palmer St. (1, 4, 5, 6, 8) H. H. Heeman; (3) Jos. Schmelzer; (7) Donald Spencer. Hexane solv., cap. 75 t. Storage cap. 550,000 bu. "Wooster" soybean oil meal, feeds and pellets.

OKLAHOMA

Durant — DURANT COTTON OIL & PEANUT CORP., 401 Railway St., P. O. Box 70. (1) G. W. Morrow; (2, 5, 6, 8) W. H. Sands; (2, 9) G. W. Morrow, Jr.; (3, 4) J. C. Taylor; (7) J. B. Bruce. 6 hydraulic pr., cap. 35 t. "Durco" brand soybean meal, mixed feeds and pellets.

Guthrie — GUTHRIE COTTON OIL CO., P. O. Box 446. (1, 5, 6, 9) H. P. Cook; (3) H. Dale Cook; (4, 8) Geo. Elder. 6 exp., cap. 60 t. Storage cap. 160,000 bu. "Red Steer" meal and pellets. Operation 15% soybeans.

McAlester—McALESTER OIL MILL CO., P. O. Box 275. (1, 5, 6, 8, 9) P. F. Rosso; (2) S. C. Boswell; (3, 4) Jimmy Hall; (7) H. D. Moore. 12 hydraulic pr., cap. 65 t. Storage cap. 100,000 bu. "Red Seal" meal, feeds, pellets.

Muskogee — MUSKOGEE COTTON OIL MILL, 724 N. Mill St. (Owned by Kimbell Oil Mill, Box 1540, Ft. Worth, Texas.) (5, 8, 9) G. N. Irish; (7) Ben E. Dunn. 12 hydraulic pr., cap. 70 t. Storage cap. 100,000 bu. "Musco" and "Red Seal" soybean oil meal and pellets.

Oklahoma City — PRODUCERS COOPERATIVE OIL MILL, 5 E. Frisco. (1) W. H. Kosanke; (3) P. E. Harrill; (7) J. B. Haskew; (8) A. L. Hazleton; ass't mgr., B. W. Heath. 10 hydraulic pr., cap. 80 t. Storage cap. 350,000 bu. "Co-op" soybean oil meal and pellets.

Oklahoma City—SOUTHLAND COTTON OIL CO.

Oklahoma City—SOUTHWESTERN COTTON OIL CO., 6 SE. 4th St., Box 1217. (1) R. A. Yose; (2, 9) A. E. King; (3, 4, 5, 6, 8) Mrs. G. E. Mace; (7) Jim Wilson. 6 hydraulic pr., cap. 62 t. Storage cap. 400,000 bu. "Little Bull" soybean oil meal and pellets. Operation 50% soybeans.

Tulsa—TULSA COTTON OIL MILL, 419 S. Quincy, Box 2479. (Affiliate Chickasha Cotton Oil Co.) (1) A. L. Durand; (2) C. Britain; (3, 4) J. T. Aust; (5, 9) B. Britain; (6, 8) C. R. Van Valkenburgh; (7) Loyd Garten; cashier, C. E. Jones. 6 screw pr., cap. 50 t. Storage cap. 100,000 bu. "Chickasha Quality" soybean oil meal and pellets. "Chico" feeds.

PENNSYLVANIA

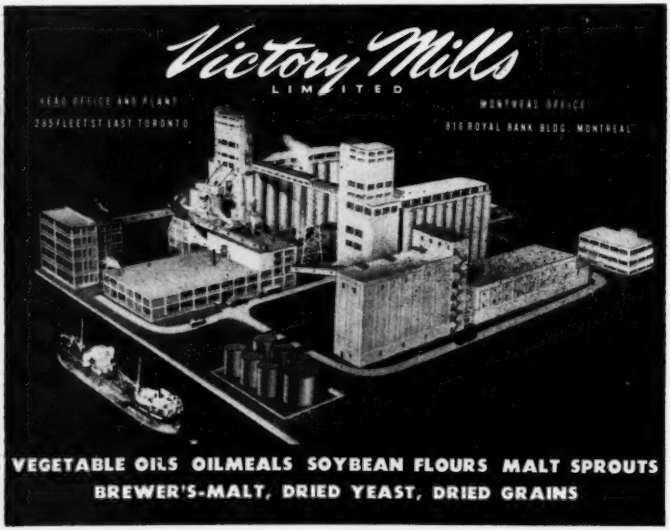
Bucks City—GREAT VALLEY MILLS, Iveyland RFD. Edward Aloe, owner.

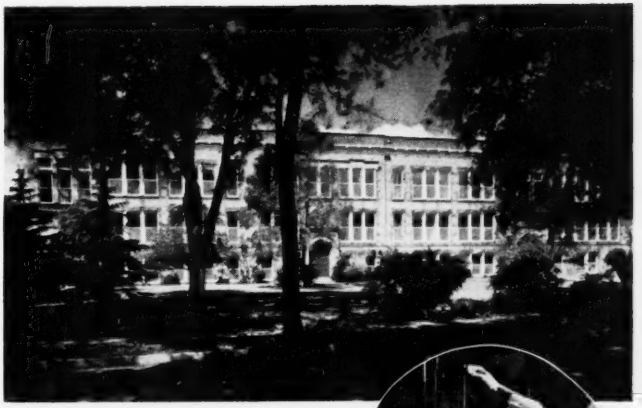
Jersey Shore—PENNA SOY BEAN CO. (1, 3, 5) M. R. Derk; (2) Wm. Shinton; (4) R. M. Wolfe; (7) Wm. Felmy. 1 exp., cap. 15 t. Storage cap. 65,000 bu. "Penna" soybean oil meal.

Philadelphia—CARGILL, INC. (Head offices 200 Grain Exchange, Minneapolis 15, Minn.) 12 exp. (9) N. H. Richards.

SOUTH CAROLINA

Bennettsville—SOUTHERN COTTON OIL CO. (Dist. office Columbia, S. C. Main office 210 Baronne St., New Orleans 12, La.) (7) J. D. Costner; (9) L. C. Breeden.







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- Archer 50% Low Fibre Soybean Oil Meal
- Archer Quality-First Feeds
- Arlecin (Soybean Lecithin)
- Bakers Nutrisoy
- Daniels' Supreme
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PROCESSORS—Continued

Columbia — SOUTHERN COTTON OIL CO., Dist. office. (Main office 210 Baronne St., New Orleans 12, La.) C. FitzSimons, Jr., dist. mgr.

Columbia—SWIFT & CO. Oil Mill.

Greenville—GREENVILLE COTTON OIL CO.

Kershaw—KERSHAW OIL MILL. (1) and gen. mgr., H. L. McPherson; (2) Edna S. Stevens, Fred E. Culvern; (3) John S. Davidson; (4) and asst. gen. mgr., T. V. Hough; (7) Y. L. Copeland. 12 exp., cap. 125 t. Storage cap. 500,000 bu. 45% soybean oil meal.

Lancaster—LANCASTER COTTON OIL CO. (Affiliate Kershaw Oil Mill, Kershaw, S. C.) (1, 5, 6) H. L. McPherson; (2, 4, 8) W. G. Taylor; (3) A. P. McLure; (7, 9) W. Ben Sowell. 8 exp., cap. 70 t. Storage cap. 150,000 bu. "Palmetto" soybean oil meal. Operation 33⅓ soybeans.

Marion — MARION COTTON OIL CO. (Affiliate of Kershaw Oil Mill, Kershaw, S. C.) (1, 5, 6, 8) H. L. McPherson; (3) John S. Davidson; (4) T. V. Hough; (7) Roy Peebles; (9) W. W. Snipes. 10 hydraulic pr. Storage cap. 25,000 bu.

Orangeburg—SOUTHERN COTTON OIL CO. (Dist. office, Columbia, S. C. Main office 210 Baronne St., New Orleans, La.) (7) L. T. Zeigler; (9) L. E. Graham.

SOUTH DAKOTA

Sioux Falls — WESTERN SOYBEAN MILLS, 701 N. Weber. Affiliate Sioux Industries, Inc. (1) Henry Sherman; (2) E. N. Grueskin; (5, 8, 9) Frank S. Burson; (4) Phil Sherman; (7) Wallace Abraham. 4 exp., cap. 100 t. Storage cap. 350,000 bu. "Sioux Brand" soybean meal, feeds and pellets.

TENNESSEE

Memphis—BUCKEYE COTTON OIL CO., gen. and dist. offices. Western div. mgr., W. R. Flippin. Dist. mgrs., T. F. Horn, R. H. Norris; Binghamton Mill (7) R. L. Herrington; Hollywood Mill (7) W. E. Hassler.

Memphis—DESOTO OIL CO., 998 Kansas St. (1) J. F. Waggoner; (2, 6, 8, 9) I. H. Fleming, Jr.; (5) D. K. Beane; (3, 4) H. G. Nelson. 10 hydraulic pr., cap. 124 t. Storage cap. 100,000 bu.

Memphis 1—PERKINS OIL CO., P. O. Box 152. (Plant West Memphis, Ark.) (1) W. H. Jasspon; (2, 4, 5, 6) T. C. Lee; (7) C. H. Caldwell; (8) H. D. Tobias. 4 exp., cap. 105 t. Storage cap. 1,000,000 bu.

Memphis — SOUTHERN COTTON OIL CO. (Main office 210 Baronne St., New Orleans 12, La.) (7) O. D. Easley; (9) W. K. Martak.

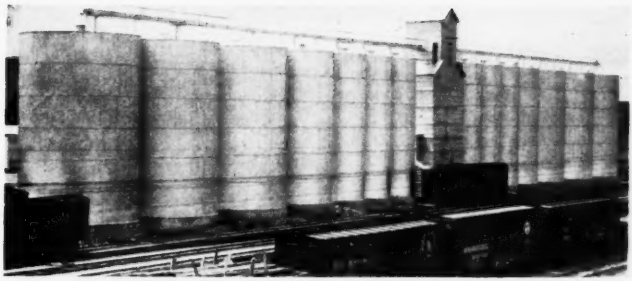
Nashville—NASHVILLE COTTON OIL MILL CORP., 410 Chestnut St. (1, 6, 8) E. Rice, Jr.; (2) S. H. Ridens; (3, 4, 5) J. T. Bratton, Jr.; (7) Earl Evans. 5 exp., cap. 100 t. Storage cap. 300,000 bu. "Famous" mixed feeds and pellets; soybean oil meal. Operation 33⅓ soybeans.

Ridgely—PHOENIX OIL MILL.

Tiptonville—WEST TENNESSEE SOYA MILL, INC. (1) J. E. Vaughn; (2) L. O. Brayton; (2, 5, 6, 8) Peter Frederickson; (3, 4) W. A. McCutchen; (7) Thos. W. Hutchinson. Solv., cap. 150 t. Storage cap. 700,000 bu.

TEXAS

Amarillo — AMARILLO OIL MILL CO. (1) H. W. Allen; (2) E. H. Kramer; (3) J. W. Johnson; (3, 4) Lee G. Oates.



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Last years on end—none have ever worn out —not one has been demolished by tornado or cyclone. Even after 30 years of service users have added rings to increase storage capacity.

Easy Ways to Erect—Detailed easy-to-understand blue prints for erection are furnished so that tanks may be put up with any kind of labor—or we will provide supervisor for your own men—or a complete Columbian crew. Foundation specifications and blue prints are furnished to enable your local concrete contractor to build foundation.

Free Engineering Service—All preliminary engineering service for designing tanks to meet your particular needs and arrangement is provided free. WRITE NOW for free literature and complete information.

COLUMBIAN STEEL TANK COMPANY

P. O. BOX BB-4226 KANSAS CITY, MO.

Associate Member of the Grain and Feed Dealers National Association

Cooper — COOPER COTTON OIL CO. (Subsidiary of Chickasha Cotton Oil Co.) (1) A. L. Durand; (2) C. M. McKinney; (3, 4) Quentin Miller; (5) C. R. Van Volkenburgh; (7) C. B. Landers; (8, 9) Guy Ray. 4 hydraulic pr., cap. 35 t. Storage cap. 50,000 bu. Operation 33⅓ soybeans.

Gatesville—CORYELL COUNTY COTTON OIL CO., Box 208. R. S. Ray, owner; mgr., E. S. Bennett; gen. supt., Robert C. Howell; supt., J. B. Smith; office mgr., J. W. McDonald; mixed feed div. supt., D. M. Mosley. 6 hydraulic pr., cap. 38 t. Storage cap. 8,000 bu.

Mart—CLEMENT GRAIN CO. OIL MILL. Office, Box 233. Office also at Box 1367 Waco, Texas. (5, 6, 8) Madison Clement; (7) Henry Johnston. 5 hydraulic pr., cap. 50 t. Storage cap. 100,000 bu. "Cen-Tex Polka Dot" mixed feeds and pellets.

Paris — SOUTHLAND COTTON OIL CO. Processing plants at Oklahoma City, Okla.; Shreveport, La.; Jackson, Miss. Chm. of board, S. W. Wilbor; (1) R. H. Blyth; (2) and gen. mgr., J. R. Gill; technical director, R. R. King. 30 exp., cap. 300 t. Mixed feeds and pellets.

San Marcos—SAN MARCOS OIL MILL, Box 8. (1) A. H. Smith; (2) L. J. Eastwood; (3, 4, 5, 8) H. K. Eastwood; (7) Albert Damerau. 1 exp., cap. 30 t. Storage cap. 200,000 bu. 41% soybean oil meal and pellets. Operation 33⅓ soybeans.

Seguin—SEGUIN COTTON OIL CO., 561 W. New Braunfels Av. (1) D. D. Baker, Jr.; (2) C. A. Krueger; (3, 4, 5, 6) Hugo G. Schmitt; (7) R. K. Blumberg; (8) A. W. Heidemann. 6 hydraulic pr., cap. 60 t. Also expeller. Storage cap. 100,000 bu.

Sherman—GENERAL VEGETABLE OIL CO. Solvent plant.

Sherman — KIMBELL OIL MILL. (1) Kay Kimbell; (2) Dr. Coleman Carter, Jr.; (3, 4) James Thompson; (7) E. V. Vandagriff; (9) F. D. Phillips. 10 hydraulic pr., 1 French pr., cap. 100 t.

Van Alstyne—VAN ALSTYNE COTTON OIL CO. (1, 5, 6) J. Umphress; (2) Creed Taylor; (3) S. M. Cartwright; (7) M. F. Duke. 3 hydraulic pr.

Weatherford—PLANTERS COTTON OIL CO., Box 317. (1) J. R. Fleming; (2) E. D. Raines; (3, 4, 5, 6, 8) E. T. Fleming; (7, 9) Lowery Johnson. 2 French pr., cap. 40 t. Storage cap. 100,000 bu. "Planters" soybean oil meal and pellets.

Wharton—PEOPLES COTTON OIL CO., P. O. Box 1180. Plant 500 Sunset St. (1, 4, 5, 8, 9) H. E. Wilson; (2) Mrs. Hans Guldman; (3) S. R. Harmanson, Jr.; (7) Fred Johnston. 9 hydraulic pr., cap. 100 t. Storage cap. 10,000 bu. 43% meal.

VIRGINIA

Norfolk—DAVIS MILLING CO., INC., 1197 Water St. (1, 4, 5, 6, 8) H. L. Foekler; (3) H. C. Curtis; (7) H. R. Davis; (9) E. C. Johnston. 3 hydraulic pr., cap. 40 t. Storage cap. 100,000 bu. "DMCO" soybean oil meal.

Portsmouth—ALLIED MILLS, INC. General office, 3400 Board of Trade bldg., Chicago 4, Ill. Expeller plant, (7) L. C. Campbell; (9) F. H. Shelby. "Wayne" soybean oil meal, mixed feeds and pellets.

Suffolk—SUFFOLK OIL MILL, INC., Bank St., Ext., P. O. Box 736. Crude soybean oil and meal.

WISCONSIN

Janesville—JANESVILLE MILLS, INC., 411 S. Pearl St. (1) Ralph Wells; (2) Geo. Conway; (3, 4) L. A. Markham; ass't sec.-treas., mgr., A. Roger Hook. 2 exp., cap. 30 t. Storage cap. 150,000 bu. "J. M. Old Process" soybean oil meal.

Menomonie — NORTHWEST COOPERATIVE MILLS. (Office 635 N. Fairview Ave., St. Paul, Minn.) (1) E. A. Syftestad; (2) Martin Kotiranta; (3, 4) Milo Dahl; (5, 6, 8) A. H. Roffers; (7) Leland Bandelow. 2 exp., cap. 35 to 40 t. Storage cap. 160,000 bu. "Co-op" soybean oil meal, mixed feeds and pellets.

CANADA

Fort William—EDIBLE OILS LIMITED. (Plant and offices: P. O. Box 130, Fort William, Ont., Canada. Gen'l offices: Grain Exchange Bldg., Winnipeg, Man., Canada.) (1) K. A. Powell; (2) J. Gordon Ross; (3, 4) W. T. Powell; (7) E. V. Lenzi; (9) A. J. Lamminen. Naptha solv., cap. 50 t. Storage cap. 50,000 bu. "Edible Brand" soybean oil meal.

Hamilton — CANADIAN VEGETABLE OILS, LTD.

Montreal — DOMINION LINSEED OIL CO., LTD. (Gen. offices, 7 Bates Rd. Outremont, Que.) Plants at Baden, Ont.; St. Boniface, Man.; and Montreal, Que. (1) Selwyn Irwin; (2) and production, D. E. Wiley; (2) and sales, J. B. Rollins; (5) W. L. Billings.

Toronto—TORONTO ELEVATORS, LTD., Queen's Quay.

Toronto — VICTORY MILLS, LTD., 285 Fleet St. E. (Subsidiary Canadian Breweries Ltd.) (1) G. M. Black, Jr.; (2) M. J. Kelly; (2, 9) C. L. Rogers; (3) W. C. Butler; (4) J. G. Campbell; (5, 6) A. R. Gillespie; (7) R. G. Roftus; (8) J. C. Henderson. 5 exp., cap. 120 t. Naptha solv. "Veeline" soybean oil meal. "Indosoy" industrial soy flour. "Soywhite" fat free soy flour.

FOREIGN PROCESSORS

Includes the firms about which the editors were able to obtain information. Not a complete list.

FRANCE

Fecamp—GRANDE HUILERIE BORDELAISE, route de Rouen. (1) M. Philippart. 14 screw pr., cap. 90 metric t. Naptha solv. plant, cap. 90 metric t. Storage cap. 5,000 metric t. "Croix-Verte" soybean oil meal. "Nutrix" mixed feeds. "Fluidor" lecithin.

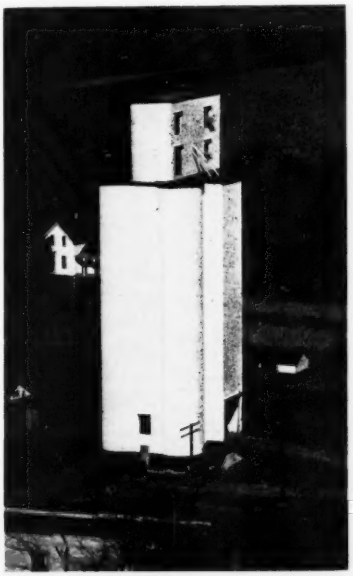
Bordeaux — GRANDE HUILERIE BORDELAISE, 8, course de Gourgue. Plant at 180 quai de Brazza, Bordeaux-Bastide. (1) M. Philippart. 11 screw pr., cap. 150 metric t. Naptha solv. plant, cap. 150 metric t. Storage cap. 10,000 metric t. "Croix-Verte" soybean oil meal. "Nutrix" mixed feeds. "Fluidor" lecithin.

Marseille—ESTABLISSEMENTS BRACK 71 La Canebiere. Plant at Hullerie La Fanny rue de Plombieres. (1) Henri Brack. 6 screw pr., cap. 100 t. Essence B. solvent, cap. 100 t. Storage cap. 3,000 t. Manufacture soy flour.

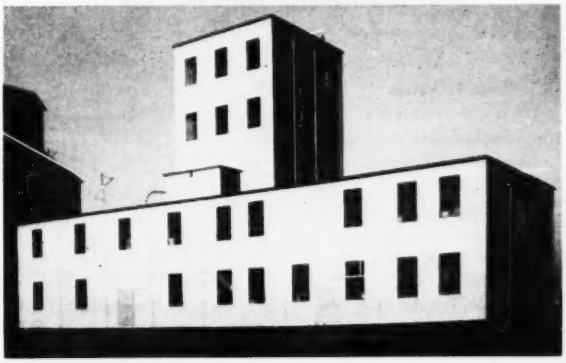
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OMAHA



Efficient Mill and Elevator Design



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HEAVY DUTY
GRAIN BINS
Galvanized Steel Construction

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Grain Elevators
Flour and Feed Mills
Soybean Mills
and Allied Plants

A Complete Equipment Service

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Board of Trade, Kansas City, Mo.

Over 30 Years Service in the Grain Trade

PROCESSORS—Continued

GERMANY

Hamburg 1—HANSA-MUHLE A. G., Spitalerstr. 12. Plant at Hamburg-Neuhof, Kohlbrandstr. 146. (1) H. V. Siebert, E. G. Grimmer; (7) A. Kleinhempel. 4 screw pr., cap. 240 t. Storage cap. 440,000 bu. Benzine solvent plant, cap. 250 t. Sojaschrot "Vita" soybean oil meal. "Hansalcithin Extra-Liquosa Special" lecithin.

Hamburg—HARBURGER OELWERKE BRINCKMAN & MERGELL, 2-6 Seehafenstrasse, Hamburg-Harburg 1. (Owners) M. J. Brinckman, A. Brinckman, C. Mergell, K. V. V. Sydow; (4) W. Plett; (5) W. A. Sostmann; (6) R. Zehe; (8) W. Seiffert; (9) H. Schnakenberg, Chief chemist, Dr. W. Rheinheimer. 62 pr., cap. 800 t. (prepress-Ing). Petrol and hexane solvent plant, cap. 900 t. Storage cap. 845,000 bu.

Hamburg 28—TOEPFFERS OELWERK GmbH, Georgswarder Damm. Affiliate of Stettiner Oelwerke A. G. (1) Mr. Dr. C. Tewaag; (2) Mr. Strandberg; (5) Mr. Saltzwedel, Mr. O. Tewaag; (6, 8) Mr. Viergutz; (7, 9) Mr. Habert. 12 screw pr., cap. 120 t. Naptha solv. plant, cap. 250 t. Storage cap. 5,000 t. Soyaschrot "Imperial" soybean oil meal. "Maudschu," "Sedina" refined oil.

Hamburg-Harburg—F. THORL'S VEREINIGTE HARBURGER OELFABRIKEN AKTIENGESELLSCHAFT, Harburger Schloss-Strasse 20. Board of directors, Dreschers, Hanel, Dr. Schraud, ten Haven; (3) Rohde; (4) ten Haven; (5) Saalfeld; (6) Freese; (7) Wardenphul; (8) Gunther; (9) Hanel. Gasoline ext., cap. 550 t. Storage cap. 20,000 t. "Thorl" meal. cap. 150,000 t. per year. 1950, 10,000 t.

Neuss/Rhein—C. THYWISSEN, Oilfabrik. (1) Josef Thywissen and Carl Thywissen. 17 exp., cap. 350 t. Naptha solv. cap. 600 t. Storage cap. 350,000 bu.

Hamburg-Altona — NORDDEUTSCHE OELMUHLENWERKE G. m. b. H., Stresemannstr. 375.-Subsidiary of Hugo Stinnes GmbH., Mulheim/Ruhr. (1) Dr. Samwer, Mr. C. Mohr; (2) Miss A. Holler. 6 screw pr., cap. 300 t. Benzine solv. plant, cap. 300 t. Storage cap. 2,000 t. a 1,000 kg. "Emporia" meal.

Heilbronn a.N.—CARL HAGENBUCHER, & SOHN, Kranenstr. 12. (1) Dr. Ernst Wecker; (5) Dr. P. Wecker; (6, 8) Alfred Stahl; (9) Dr. Fritz Wecker. Hansamuhle gasoline solv. plant, cap. 100 metric t. Storage cap., rented, 3,000 metric t. Soybean oil meal.

Dusseldorf/Holthausen — HENKEL & CIE. GbmH, Henkelstrasse 67. Solv. plant not operating now.

Neuss am Rhein—O. & L. SELS, Dusseldorferstr. 101. (1) Otto Sels. 4 screw pr., cap. 100 t. Leichtbenzin solv. plant, cap. 100 t.

Neuss am Rhein—WALTER RAU NEUSSER OELWERKE A. G., Industriestr. 38. Affiliate of Walter Rau Teutoburger Margarinewerke, Hitler T.W. (1) Dr. Hubertus Carls.

Wiesbaden — FAUTH AKTIENGESELLSCHAFT, Mainzerstr. 89a. Solv. plant, cap. 150 t. (benzine). Storage cap. 2,000 t. "Sonne" soybean oil meal. "Yokamin" mixed feeds. Manufacture defatted and full fat soy flour.

NORWAY

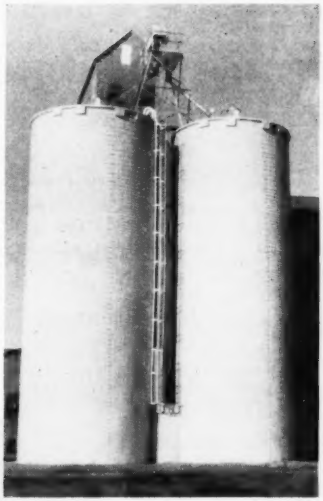
Oslo—A/S NORSK SOYAMELFABRIK. Fr. Nansenspl. 9. Plant at Larvik. Naptha. Storage cap. 120,000 bu., Solv. plant cap. 100 t. (1) Ludvig Ramm; (7) Arne Flood; (9) Karl Schoning. "Prota" soy.

Many a Year of
Free Storage

Long after Neff & Fry Storage Bins have been fully depreciated, they continue to give an indefinite period of unimpaired service. This means many a year of *free* storage.

Neff & Fry Bins are constructed of Super-Concrete Staves . . . formed under 140 tons pressure . . . similar to natural stone in density, crushing strength, and durability.

Compare Neff & Fry Storage Bins with other structures which spall, crack, rust, or rot. Compare the difference in maintenance and replacement costs. Compare the difference in operating profits.



NEFF & FRY
SUPER-CONCRETE STAVE
Storage Bins
SINCE 1916

THE NEFF & FRY CO.
286 ELM STREET
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Before you reach any decision regarding the purchase of bins for the storage of soybeans, seeds, nuts, or cereals, be sure to read our folder, "Extra Profits in Grain Storage." A copy will be gladly sent for the asking.

REFINERS OF SOYBEAN OIL

CALIFORNIA

Long Beach—THE PROCTER & GAMBLE MFG. CO.

Wilmington—VEGETABLE OIL PRODUCTS CO., INC., 410 S. Avalon Blvd.

GEORGIA

Macon — THE PROCTER & GAMBLE MFG. CO.

Savannah — SOUTHERN COTTON OIL CO.

ILLINOIS

Chicago 9 — ARMOUR & CO., Union Stock Yards. Plants at Chicago, Fort Worth, Chattanooga, Jersey City.

Chicago—SOUTHERN COTTON OIL CO.

Chicago 9 — WILSON & CO., INC., 41st & Ashland Ave. Plants at Chicago, Ill.; Chattanooga, Tenn.; Oklahoma City, Okla.

Decatur — A. E. STALEY MFG. CO.

IOWA

Clinton—PILLSBURY MILLS, INC., Wilson Bldg. Plant also at Centerville, Iowa.

LOUISIANA

Gretna—SOUTHERN COTTON OIL CO.

Opelousas — OPELOUSAS OIL REFINERY, 909 Railroad Ave. (Affiliate Cotton Products Co., Inc., Opelousas.)

MINNESOTA

Minneapolis — ARCHER - DANIELS - MIDLAND CO., 600 Roanoke Bldg. Plants in Minneapolis, Minn.; Chicago, Ill.; Fredonia, Kans.; Buffalo, N. Y.; Edgewater, N. J.; Portland, Ore.; Kenedy, Texas.

Minneapolis 1—GENERAL MILLS, INC., chemical div., 700 General Mills Bldg. Plant, Belmond, Iowa.

MISSOURI

St. Louis 7—THE BLANTON CO., 3400 N. Wharf.

NEW JERSEY

Bayonne—SOUTHERN COTTON OIL CO.

Newark—COLONIAL PACKING CORP., 174 Blanchard St. Other plants, Italian Cook Oil Corp. and Pem Sales Co., Inc.

NEW YORK

Buffalo—SPENCER KELLOGG & SONS, INC. 98 Delaware Ave. Plant in Edgewater, N. J.

New York 17—THE BEST FOODS, INC., 1 East 43rd St. Plants at Bayonne, N. J.; Chicago, Ill.; Dallas, Texas; San Francisco, Calif.

New York 10—E. F. DREW & CO., INC. 15 E. 26th St. Plant, Boonton, N. J.

New York 13—LEVER BROS. CO., 80 Varick St. Refining plants at River Road, Edgewater, N. J.; Indianapolis Blvd., Hammond, Ind.; 6300 E. Sheilia St., Los Angeles 22, Calif.

New York—REFINING, UNINCORPORATED, 70 W. 40th St.

Port Ivory, Staten Island—THE PROCTER & GAMBLE MFG. CO.

OHIO

Cleveland 14—GLIDDEN CO., 1396 Union Commerce Bld. Oil refining operations conducted through Durkee Famous Foods and Vegetable Oil Products Division with plants at Elmhurst, L. I., N. Y.; Louisville, Ky.; Chicago, Ill.; Berkeley and Buena Park, Calif.; Cleveland, Ohio.

Columbus 16 — CAPITAL CITY PRODUCTS CO., 525 W. 1st Ave., P.O. Box 569.

Ivorydale, Cincinnati—THE PROCTER & GAMBLE MFG. CO.

OKLAHOMA

Chickasha—CHICKASHA COTTON OIL CO. Plants at Altus, Anadarko, Chickasha, Clinton, Frederick, Hobart, Hollis, Mangum and Tulsa, Okla.; Wichita Falls, Tex. (first refinery only.)

Oklahoma City—WILSON & CO., INC.

PENNSYLVANIA

Philadelphia 34—C. F. SIMONIN'S SONS, INC., Tioga & Belgrade Sts.

SOUTH CAROLINA

Marion — MARION COTTON OIL CO. (Affiliate Kershaw Oil Mill, Kershaw, S. C.)

TENNESSEE

Chattanooga — WILSON & CO., INC. Refinery, Hooker Rd., Box 1230.

Memphis—HUMKO CO., 1702 N. Thomas St. Offices: New York, Chicago, Philadelphia, Los Angeles.

Memphis—SOUTHERN COTTON OIL CO.

TEXAS

Dallas — THE PROCTER & GAMBLE MFG. CO.

El Paso—WESTERN COTTON OIL CO., Refinery Div., P. O. Box 1491.

Sherman — MRS. TUCKER'S FOODS, INC., 1201 East Pecan.

VIRGINIA

Portsmouth — THE PROCTER & GAMBLE MFG. CO.

WISCONSIN

Cudahy—CUDAHY BROS. CO.

CANADA

Toronto — CANADA PACKERS LTD., West Toronto 9. Plants located at Toronto, Montreal, Winnipeg, Edmonton and Vancouver.

Toronto — LEVER BROS. LTD., 299 Eastern Ave. (Affiliate Lever Bros. & Unilever Ltd., London, England.)

Ontario—PROCTOR & GAMBLE CO. OF CANADA, LTD., Burlinton St., E. Hamilton.

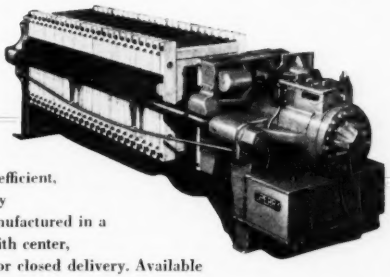
GERMANY

Neuss/Rhein—C. THYWISSEN Olfabrik.

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FIRST FOR INDUSTRIAL FILTRATION

FILTER PRESSES



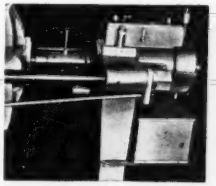
Leaders in the soybean industry specify Sperry for efficient, economical filtration. Sperry Plate Filter Presses are manufactured in a wide variety of materials with center, side, or corner feed—open or closed delivery. Available in many standard and special sizes to suit your requirements. For the answers to your filtration problems consult a Sperry engineer.

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SOY PRODUCTS

MANUFACTURERS AND HANDLERS OF SOY FOODS

BEVERAGES

Arlington, Calif.—LOMA LINDA FOOD CO. Coffee substitute.

Azusa, Calif.—G. M. BARTLETT CO., 900 W. Foothill Blvd. (Subsidiary of W.H.Y. & Kevo Products Co., Ltd.) "W.H.Y." and "Kevo" beverages.

Los Angeles, Calif. — CUBBISON CRACKER CO., 3407 Pasadena Ave. "Cubbison's Hollywood Cup."

Santa Cruz, Calif.—DAGLISH' HEALTH FOOD SERVICE, 708 Water St. Soy beverages.

Champaign, Ill. — COCHRUN HEALTH FOOD STORE, 504 S. Neil St. (Handlers).

Chicago, Ill. — CHICAGO DIETETIC SUPPLY HOUSE, 1750 W. Van Buren St.

Chicago 14, Ill.—WM. H. LEAHY CO., INC., 918 Armitage Ave. Wholesale dist. Coffee substitutes.

Chicago, Ill.—JOHN SEXTON & CO., Sexton Square. Other plants at Long Island City, Boston, Philadelphia, Pittsburgh, Detroit, Atlanta, Dallas and San Francisco. "Chocolait".

Des Moines 9, Iowa — SOY PRODUCTS CO., 7 7th St.

Syracuse, N. Y. — VEGETABLE PRODUCTS CO., 510 S. Clinton St. "Bevasoy", soybean coffee substitute, contains also roasted fruit.

Philadelphia, Pa.—BRILLIANT FOODS, 254 E. Girard Ave.

Madison College, Tenn. — MADISON FOODS.

Hamilton, Ont. — VI-TONE PRODUCTS LTD., 198 Gage Ave. S. Tonic food beverages with soybean base.

BREAKFAST FOODS

Santa Cruz, Calif.—DAGLISH' HEALTH FOOD SERVICE, 708 Water St. Soya cereals.

Champaign, Ill. — COCHRUN HEALTH FOOD STORE, 504 S. Neil St. (Handlers) Unrefined cereals.

Sonora, Calif.—EDEN HEALTHCRAFT.

Chicago, Ill.—CHICAGO DIETETIC SUPPLY HOUSE, 1750 W. Van Buren St. Breakfast foods. "Cellu Soy Flakes."

Chicago 14, Ill.—DITEX FOODS, INC., 918 Armitage Ave. Manufacturers of special dietary foods.

Chicago 14, Ill.—H. W. WALKER & CO., 918 Armitage Ave.

Des Moines 9, Iowa—SOY PRODUCTS CO., 7 7th St.

Battle Creek, Mich. — KELLOGG CO. "Corn Soya".

Red Wing, Minn.—SPECIAL FOODS CO.

Red Wing, Minn.—STURDIWHEAT CO., Office, Citizens Fund Bldg. Plant, 970 Raymond Ave., St. Paul. "V-932" high protein cereal.

Syracuse, N. Y. — VEGETABLE PRODUCTS, 510 S. Clinton St. Vi-Vi-Ta. Soy breakfast cracks (grits).

Philadelphia, Pa.—BRILLIANT FOODS. 254 E. Girard Ave. Cereals.

CANNERS OF GREEN VEGETABLE SOYBEANS

Milton, Del—DRAPER CANNING CO.

Frederick, Md. — THOMAS & CO., 71 E. South St. Plants at Adamstown, Frederick and Gaitersburg, Md.

Boston, Mass.—NANKING FOOD PRODUCTS, 25 Buswell St.

Danvers, Mass. — SOM WON CO., INC., 159 Elliott St.

Rockland, Mass. —SOM TOY CHINESE FOOD PRODUCTS, INC., 65 Grove St.

Port Jervis, N. Y. — PORT JERVIS PACKING CO., INC., 71 Reservoir Ave.

Mt. Vernon, Ohio — INTERNATIONAL NUTRITION LABORATORY, INC., P. O. Box 388.

Sidney, Ohio — ST. MARY'S PACKING CO. Factories at Noblesville, Ind.; Delphos, Morral, Mt. Sterling, St. Mary's, and Van Wert, Ohio; and North Freedom, Wis.

Birdsboro, Pa.—MATTHEW M. STERNER.

Bloomsburg, Pa. — BLOOMSBURG PACKING CO., 840 Catherine St.

Hortonville, Wis.—FOX VALLEY CANNING CO.

CANNERS OF MATURE SOYBEANS

Arlington, Calif.—LOMA LINDA FOOD CO. Pack dry soybeans in tomato sauce.

Portland 3, Maine — PURITAN SALES CORP., 263 Forest Ave. (Subsidiary of Maine Canned Foods, Inc.) Packers of oven baked soybeans.

COOKIES, CRACKERS, TOASTS AND WAFERS

Los Angeles, Calif.—CUBBISON CRACKER CO., 3407 Pasadena Ave. "Cubbison's" soya toast, cookies and crackers.

Santa Cruz, Calif.—DAGLISH' HEALTH FOOD SERVICE, 708 Water St. Soya fruit cake rolls.

Sonora, Calif—EDEN HEALTHCRAFT.

Chicago 14, Ill.—DITEX FOODS, INC., 918 Armitage Ave. Manufacturers of special dietary foods. Baked goods.

Battle Creek, Mich.—BATTLE CREEK FOOD CO. Soy gluten wafers.

New York, N. Y.—NATIONAL BISCUIT CO., 449 W. 14th St. "Cocktailer Crackers" and "Triangle Thins".

Philadelphia, Pa.—BRILLIANT FOODS. 254 E. Girard Ave.

HEALTH FOOD STORES, SUPPLY HOUSES

(Handle a wide variety of soy products.)

Santa Cruz, Calif.—DAGLISH' HEALTH FOOD SERVICE, 708 Water St.

Sonora, Calif.—EDEN HEALTHCRAFT.

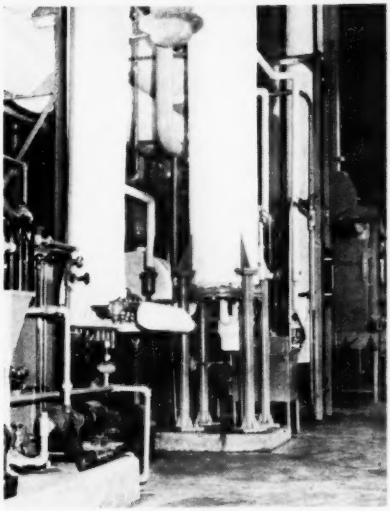
Champaign, Ill. — COCHRUN HEALTH FOOD STORE, 504 S. Neil St. Retail only.

Chicago, Ill.—CHICAGO DIETETIC SUPPLY HOUSE, 1750 W. Van Buren St. "Cellu Soyamalse," "Cellu Soy Flakes," "Cellu Soy Bean Wafers," "Cellu Soy Bean Spread," "Cellu Soy Nuts," and "Cellu Canned Green Soybeans."

Chicago 14, Ill.—WM. H. LEAHY CO., INC., 918 Armitage Ave. Wholesaler.

Syracuse, N. Y.—VEGETABLE PRODUCTS CO., 510 S. Clinton St. Health food distributors.

Mt. Vernon, Ohio — INTERNATIONAL NUTRITION LABORATORY, P. O. Box 388.



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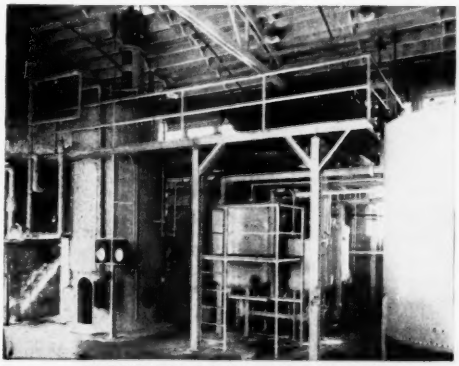
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Syracuse, N. Y.—ROSS & ROWE, INC., Wrigley Bldg. Also 50 Broadway, New York 4, N. Y.

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Fort Wayne, Ind. — CENTRAL SOYA CO., INC.

Clinton, Iowa—PILLSBURY MILLS, INC., 200 Wilson Bldg.

Minneapolis, Minn.—GENERAL MILLS, INC., 700 General Mills Bldg.

New Brunswick, N. J.—W. A. CLEARY CORP. Also Chicago, Ill., and Belleville, Ont. Manufacture purified and crude soya lecithin.

New York 17, N. Y.—ENCO CHEMICAL CORP., 441 Lexington, Ave.

Syracuse, N. Y.—VEGETABLE PRODUCTS CO., 510 S. Clinton St. Lecithin paste and capsules.

Neuss/Rhein, Germany — C. THYWISSEN, Olfabrik.

MACARONI, SPAGHETTI, NOODLES

Champaign, Ill. — COCHRUN HEALTH FOOD STORE, 504 S. Neil St.

Chicago 14, Ill.—DITEX FOODS, INC., 918 Armitage Ave. Manufacturers of special dietary foods including macaroni products.

Chicago 14, Ill—H. W. WALKER & CO., 918 Armitage Ave. Macaroni, spaghetti, noodles.

Cleveland, Ohio—THE PFAFFMAN CO., 6919 Lorain Ave.

MEAT SUBSTITUTES

Arlington, Calif.—LOMA LINDA FOOD CO.

Santa Cruz, Calif.—DAGLISH' HEALTH FOOD SERVICE, 708 Water St.

Sonora, Calif.—EDEN HEALTHCRAFT.

Champaign, Ill. — COCHRUN HEALTH FOOD STORE, 504 S. Neil St.

Chicago, Ill.—WM. H. LEAHY CO., INC., 918 Armitage Ave. Wholesale dist.

Battle Creek, Mich.—BATTLE CREEK FOOD CO. "Soy Protose." Vegetable entrees.

Mt. Vernon, Ohio — INTERNATIONAL NUTRITION LABORATORY, INC., P. O. Box 388. Vegetarian Gluten Cutlets, Vegetarian Cutletburger.

Olmsted Falls, Ohio—NATURAL FOODS INSTITUTE.

Philadelphia, Pa.—BRILLIANT FOODS, 254 E. Girard Ave.

Madison College, Tenn. — MADISON FOODS.

SALAD AND COOKING OILS, SHORTENING

San Francisco 11, Calif.—COLDSTREAM PRODUCTS CO., (Div. of Salem Commodities, Inc.) 22 Battery St., Rm. 401. Plant at Denison, Tex. "Royal Satin" shortening.

Wilmington, Calif. — VEGETABLE OIL PRODUCTS CO., INC., 410 S. Avalon Blvd. Shortening, salad and cooking oil, flaked oils.

Savannah, Ga. — SOUTHERN COTTON OIL CO. Shortening.

Chicago 9, Ill.—ARMOUR & CO., Union Stock Yards. Shortening and salad oil.

Chicago, Ill.—SOUTHERN COTTON OIL CO. Shortening.

Chicago 9, Ill.—WILSON & CO., INC., 41st and Ashland Ave. Shortening, cooking and salad oil.

Decatur, Ill.—A. E. STALEY MFG. CO. Salad and cooking oil. "Edsoy".

Gretna, La.—SOUTHERN COTTON OIL CO. Shortening.

Opelousas, La.—OPELOUSAS OIL REFINERY, 909 Railroad Ave. (Affiliate of Cotton Products Co., Inc.) Also operates Opelousas Oil Mill. Vegetable oil shortening and soybean salad oil.

Baltimore 3, Md. — WM. SCHLUDERBERG - T. J. KURDLE CO., 3800-4000 E. Baltimore St., P. O. Box 476. Shortening, cooking and salad oil.

Detroit 6, Mich. — SHEDD-BARTUSH FOODS, INC., 14401 Dexter Blvd. Also offices at Louisville 8, Ky.; Elgin, Ill.; Dallas, Tex. Also operate Southern Margarine Co., Greenville, S. C. and Millers Food Products Inc., 1489 E. Fort St., Detroit 7, Mich. "Shedd's Old Style" dressing, "Shedd's Lady Betty" mayonnaise and salad products.

St. Louis 7, Mo.—THE BLANTON CO., 3400 N. Wharf. Shortening, salad and cooking oils. Hydrogenated fats and oil.

Bayonne, N. J.—SOUTHERN COTTON OIL CO. Shortening.

Newark, N. J.—COLONIAL PACKING CORP., 174 Blanchard St. Other plants Italian Cook Oil Corp. and Pem Sales Co., Inc. Mayonnaise, salad dressing and French dressing.

Buffalo, N. Y.—SPENCER KELLOGG & SONS, INC., 98 Delaware Ave. "Spensoy" salad oil, "Kellko," "Kel-Exo," "Kel-Kake" and "Kel-Fry."

New York 17, N. Y.—THE BEST FOODS, INC., 1 E. 43rd St. Plants at Bayonne, N. J.; Chicago, Ill.; Dallas, Tex.; and San Francisco, Calif. "VEO" shortening.

New York 10, N. Y.—E. F. DREW & CO., INC., 15 E. 26th St. Shortening and salad oil.

New York 22, N. Y.—JOHN F. JELKE CO., Div. of Lever Bros., 505 Park Ave. "Bakers" margarine-type shortenings; "Bako", "Blenda", "Danish Do-Mix", "Hi-Puff".

Cincinnati, Ohio—PROCTER & GAMBLE CO., Gwynne Bldg. Shortening.

Columbus 34, Ohio — CAPITAL CITY PRODUCTS CO., W. 1st Ave. Shortening.

Oklahoma City, Okla.—WILSON & CO., INC., P. O. Box 1905. Standard and hydrogenated shortening, cooking and salad oils.

Chattanooga, Tenn.—WILSON & CO., INC. Shortening, cooking and salad oils.

Memphis 8, Tenn.—CUDAHY PACKING CO., 2800 Chelsea Ave. Other plants at Kansas City, Kans.; Omaha, Nebr.; Denver, Colo.; Los Angeles, Calif. Shortening and salad oil.

Memphis, Tenn.—HUMKO CO., 1702 N. Thomas St. Hydrogenated vegetable shortening, salad oil.

Memphis, Tenn.—SOUTHERN COTTON OIL CO. Shortening.

Sherman, Texas — MRS. TUCKER'S FOODS, INC. Shortening and salad oil.

Cudahy, Wis.—CUDAHY BROS. CO. Salad oil and shortening.

Toronto, Ont., Canada—CANADA PACKERS LTD., W. Toronto 9. Lard compound and salad oil.

Toronto, Ont., Canada—LEVER BROS. LTD., 299 Eastern Ave. Shortening.

SARDINE PACKING

Eastport, Maine — HOLMES PACKING CORP., 7 Madison St. Plant also at Rockland, Maine. Soybean oil used as packing medium in sardines.

SAUSAGE BINDERS

Chicago 12, Ill.—CUSTOM FOOD, INC., 701-709 N. Western Ave. Sausage and loaf binders for sausage trade. Hamburger and loaf seasonings and binders for institutional trade.

Chicago 39, Ill. — THE GLIDDEN CO., Soya Products Div., 1825 N. Laramie Ave.

Decatur, Ill.—SPENCER KELLOGG & SONS, INC. "Special X" flour, "Meatone" grits, "Kel-Soysoy" flour, binders for standard sausage production and dog food manufacture.

Decatur, Ill.—A. E. STALEY MFG. CO. Meat packers' soy flour and soy grits. "Staley's Congealing Binder".

SEASONINGS

Chicago, Ill.—JOHN SEXTON & CO., Sexton Square. Other plants at Long Island City, Boston, Philadelphia, Pittsburgh, Detroit, Atlanta, Dallas, San Francisco. "Magic" seasoning.

Philadelphia, Pa.—BRILLIANT FOODS, 254 E. Girard Ave.

SOYBEAN OIL

Newark, N. J.—COLONIAL PACKING CORP., 174 Blanchard St. Other plants, Italian Cook Oil Corp. and Pem Sales Co., Inc. Edible oils.

Syracuse, N. Y.—VEGETABLE PRODUCTS CO., 510 S. Clinton St.

Cincinnati, Ohio—PROCTER & GAMBLE CO., Gwynne Bldg. Edible oils.

Columbus 34, Ohio—CAPITAL CITY PRODUCTS CO., 525 W. 1st Ave. Edible oil.

Philadelphia, Pa. — C. F. SIMONIN'S SONS, Tioga and Belgrade Sts. Edible oil.

SOYBEANS FOR COOKING AND SPROUTING

Stuttgart, Ark.—JACOB HARTZ SEED CO., INC.

Evansville, Ind.—J. A. McCARTY SEED CO., 526 N. 4th St.

Hudson, Iowa — STRAYER SEED FARMS.

Mt. Vernon, Ohio — INTERNATIONAL NUTRITION LABORATORY, INC., P. O. Box 388. Green soybeans, soybeans in tomato sauce. Vegetarian Chili Con Carne. Giant Select Soybeans.

Philadelphia, Pa.—BRILLIANT FOODS, 254 E. Girard Ave.

SOUPS

Philadelphia, Pa.—BRILLIANT FOODS, 254 E. Girard Ave.

SOY BUTTER

Santa Cruz, Calif.—DAGLISH' HEALTH FOOD SERVICE, 708 Water St. (Seven kinds.)

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Arlington, Calif.—LOMA LINDA FOOD CO. Packers and distributors soy flour.

Chicago, Ill. — GLIDDEN CO., Soya Products Division, 1825 N. Laramie Ave. Full fat, low fat and defatted soy flours, flakes and grits.

Chicago, Ill. — GRIFFITH LABORATORIES, 1415 W. 37th St. Flour. Grits.

Decatur 80, Ill. — SPENCER KELLOGG & SONS, INC., Fairies Pkwy. & Brush College Rd. Full fat, low fat, defatted flour, low fat and defatted grits.

Decatur, Ill.—A. E. STALEY MFG. CO. Extracted, hi-fat and lo-fat flour. Grits. Flakes.

Galesburg, Ill.—GUNTHER PRODUCTS, INC., 600 E. Main St. Vegetable proteins and defatted soy flakes.

Fort Wayne, Ind. — CENTRAL SOYA CO., INC., 300 Old First Bank Bldg. All types flour, flakes and grits.

Des Moines 9, Iowa — SOY PRODUCTS Co., 7 7th St. Soy flour.

Hiawatha, Kans. — THOMSON SOY MILL.

Battle Creek, Mich. — BATTLE CREEK FOOD CO. Soya flakes with gluten, soy flour, 2 pound and 5 pound bags.

Blooming Prairie, Minn.—FARMERS CO-OP ELEVATOR ASSN., Soybean Processing Div. "Prairie" 44% toasted soy flakes.

Minneapolis 2, Minn. — ARCHER-DANIELS-MIDLAND CO., 600 Roanoke Bldg. Soy flour, soy grits, "ADM" Soybean brew flakes.

New York, N. Y. — SOYA CORPORATION OF AMERICA, 30 Rockefeller Plaza. Low fat, full fat flour, grits.

Syracuse, N. Y.—VEGETABLE PRODUCTS CO., 510 S. Clinton St. "ViVi-Ta", soy flour, hi-fat; soy flakes.

Toronto, Canada — VICTORY MILLS LTD., 285 Fleet St. E. "Indosoy," Industrial soy flour; "Soywhite," fatfree flour.

Brockville, Ontario, Canada—MacDOWELL BROTHERS. Plant also at Ogdensburg, N. Y. Soybean flour specially processed for diabetics.

SOY FLOUR MIXES

Red Wing, Minn.—SPECIAL FOODS CO. Baking mix. Concentrates for bakers.

Red Wing, Minn.—STURDIWHEAT CO. Office, Citizens Fund Bldg., plant, 970 Raymond Ave., St. Paul. "Sturdimix" general purpose baking mix. "V-932" special protein bread mix.

SOY MILK

Arlington, Calif.—LOMA LINDA FOOD CO. Liquid soy milk in cans.

Santa Cruz, Calif.—DAGLISH' HEALTH FOOD SERVICE, 708 Water St. Plain and malted (dry). (Four kinds).

Sonora, Calif.—EDEN HEALTHCRAFT.

Champaign, Ill. — COCHRUN HEALTH FOOD STORE, 504 S. Neil St. Handlers.

Chicago, Ill.—CHICAGO DIETETIC SUPPLY HOUSE, 1750 W. Van Buren St. Canned soy milk.

Battle Creek, Mich.—BATTLE CREEK FOOD CO. "Soy Acidophilus."

Muskegon, Mich.—LO HI FOOD SCHOOL, 618 Adams Ave. "Lo Hi" milk.

Syracuse, N. Y.—VEGETABLE PRODUCTS CO., 510 S. Clinton St.

Mt. Vernon, Ohio — INTERNATIONAL NUTRITION LABORATORY, P. O. Box 388. "Soyalac." Soybean milk, powdered and liquid.

Olmsted Falls, Ohio—NATURAL FOODS INSTITUTE. Dried and liquid.

Philadelphia, Pa.—BRILLIANT FOODS, 254 E. Girard Ave. Malted milk.

Madison College, Tenn. — MADISON FOODS.

SOY SAUCE

Glendale, Ariz.—SHOWA SHOYU BREWING CORP., P. O. Box 246.

Arlington, Calif.—LOMA LINDA FOOD CO.

Los Angeles, Calif.—ORIENTAL FOODS, INC., 4100 S. Broadway.

Chicago, Ill.—THE GREAT CHINA FOOD PRODUCTS CO.

Chicago, Ill.—JOHN SEXTON & CO., Sexton Square. Other plants at Long Island City, Boston, Philadelphia, Pittsburgh, Detroit, Atlanta, Dallas, San Francisco. Chop suey, sirloin club, mushroom and smoke house sauces.

Decatur, Ill.—A. E. STALEY MFG. CO.

Columbia City, Ind.—ORIENTAL SHOW-YOU CO.

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Columbia City, Ind.—ORIENTAL SHOW-YOU CO. Mung bean sprouts.

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Chicago, Ill.—JOHN SEXTON & CO., Sexton Square. Other plants at Long Island City, Boston, Philadelphia, Pittsburgh, Detroit, Atlanta, Dallas, San Francisco. "Whip" powder.

Galesburg, Ill.—GUNTHER PRODUCTS INC., 600 E. Main St. Manufacture vegetable proteins and derivatives.

Minneapolis 2, Minn. — ARCHER-DANIELS-MIDLAND CO., Soya Products Div., 600 Roanoke Bldg. "Nutriwhip."

New Brunswick, N. J.—W. A. CLEARY CORP. Also Chicago, Ill.; Belleville, Ont.

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*Delta Products Co., Wilson, Ark.
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The Glidden Co., Durkee Famous Foods, 2900 Fifth St., Berkeley 2, Calif.
Armour & Co., 734 Terminal St., Los Angeles, Calif.
Cudahy Packing Co., 803 Macy St., Los Angeles 54, Calif.
Kraft Foods Co., Plant at 5657 E. Slauson Ave., Los Angeles, Calif.
Swift and Co., 3750 Jewel Ave., Los Angeles, Calif.
Wilson and Co., Inc. of California, 960 North Vignes St., Los Angeles, Calif.
Best Foods, Inc., 1900 Bryant Street, San Francisco, Calif.
*Vegetable Oil Products Co., Inc., 410 South Avalon Blvd., Wilmington, Calif.
*Coldstream Products Co., 22 Battery St., San Francisco 11, Calif.
Standard Brands, Inc., 921 98th Ave., Oakland, Calif.

GEORGIA

Kraft Foods Co., 890 Memorial Dr. S.E., Atlanta, Ga.
*Mar-Gold Corp., 1495 Pryor St., S.W., Atlanta, Ga.
Swift & Co., 566 Wells St. S.W., Atlanta, Ga.
Churngold Corp., 200 Furnace St., South, Cedartown, Ga.
*Southeastern Margarine Co., Inc., 226 S. Madison St., Thomasville, Ga.
*Glidden Co., Durkee Famous Foods, New Mead Highway, and San Carlos Drive, Macon, Ga.
*Southern Harvest, Inc., 334 Smith Ave., Thomasville, Ga.

ILLINOIS

*Armour & Co., Union Stock Yds., Chicago 9, Ill.
Best Foods, Inc., 2816 S. Kilbourne Ave., Chicago, Ill.
*Cudahy Packing Co., 221 N. La Salle St., Chicago, Ill.
Friedman Mfg. Co., Union Stock Yards, Chicago 9, Ill.
Glidden Co., Durkee Famous Foods, 3702 S. Iron St., Chicago, Ill.
John F. Jelke Co., 759 S. Washtenaw Ave., Chicago 12, Ill.
*Kraft Foods Co., 500 Peshtigo Ct., Chicago 90, Ill.
*Swift and Co., Union Stock Yds., Chicago 9, Ill.
*Wilson & Co., Inc., 4100 S. Ashland Ave., Chicago 9, Ill.
*Shedd-Bartush Foods of Illinois, Inc., 51 N. State St., Elgin, Ill.

INDIANA

Standard Brands Co., Inc., 1102 Roosevelt Ave., Indianapolis, Ind.

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Armour & Co., State Line Ave., and Railroad St., Kansas City, Kans.
Cudahy Packing Co., Kansas Ave. & Railroad St., Kansas City, Kans.
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Wilson and Co., Inc., Adams & Osage Sts., Kansas City, Kans.

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*Blue Plate Foods, Inc., 1315 S. Jefferson Davis Parkway, New Orleans, La.

*Home office.

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*J. H. Filbert, Inc., 3701 Harkins Rd., Baltimore 29, Md.

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*Shedd-Bartush Foods, Inc., 14401 Dexter Blvd., Detroit 6, Mich.

MISSOURI

*Blanton Co., 3400 North Wharf, St. Louis 7, Mo.
*Kent Products, Inc., 612-614 Broadway, Kansas City 6, Mo.

NEBRASKA

*C. A. Swanson & Sons, Margarine Div., 214-16 N. 10th St., Omaha 2, Nebr.

NEW JERSEY

Best Foods, Inc., 99 Ave. A., Bayonne, N. J.
E. F. Drew & Co., 416 Division St., Boonton, N. J.
Armstrong Packing Co., Division of Swift & Co., 154 Ninth St., Jersey City, N. J.
Kraft Foods Co., 31 Evans Terminal, Hillside, N. J.
Swift & Co., 154 Ninth St., Jersey City, N. J.

NEW YORK

*Best Foods, Inc., 1 East 43rd St., New York 17, N. Y.
*E. F. Drew & Co., 15 E. 26th St., New York, N. Y.
Jelke Good Luck Products, div. Lever Bros., Lever Bros. Co., 505 Park Ave., New York, N. Y.
*Standard Brands, Inc., 595 Madison Ave., New York 22, N. Y.

OHIO

*Churngold Corp., 50 Walnut St., Cincinnati, Ohio.
*Miami Margarine Co., 107 East Pearl St., Cincinnati, Ohio.
*Durkee Famous Foods, 1396 Union Commerce Bldg., Cleveland 14, Ohio.
*Capital City Products Co., First and Perry Sts., Columbus 16, Ohio.
Glidden Co., Durkee Famous Foods, St. Mary's & Ontario Sts., Norwalk, Ohio.

SOUTH CAROLINA

*Southern Margarine Co., New Buncombe Rd., Greenville, S. C.

TENNESSEE

Armour & Co., 4608 Kirkland Ave., Chattanooga, Tenn.
Cudahy Packing Co., 2800 Chelsea Ave., Memphis, Tenn.

TEXAS

*Southwest Margarine Co., 902 S. Harwood St., Dallas 1, Texas.
Standard Brands, Inc., 916 S. Harwood St., Dallas, Texas.
Best Foods, Inc., 701 Belleview, Dallas, Texas.
Kraft Foods Co., Belt Line Rd., Garland, Texas.
Swift and Co., Stock Yards Station, Fort Worth, Texas.
*Texas Star Foods, Inc., 409 N. Cherry St., San Antonio, Texas.
*Mrs. Tucker's Foods, Inc., 1201 E. Pecan St., Sherman, Texas.
*Salem Commodities, Inc., Coldstream Products Co., 1406 W. Washington St., Denison, Texas.
*Armour Creameries, Inc., Collier & Son, Inc., Collier Industries, 416-500 E. 9th St., Fort Worth, Texas.

*Home office.

PROGRESS REPORT

to the soybean industry

from its second largest customer

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Decatur, Ill.—SPENCER KELLOGG & SONS, INC. "Kelkote" pulverized commercial soy protein for protective coatings, linoleum, water emulsion paint finishes. Leather dressing.

Louisville, Ky. — BUCKEYE COTTON OIL CO. Isolated protein for use in beater sizing, leather dressing.

Cincinnati, Ohio—DRACKETT CO., 5020 Spring Grove Ave. Isolated protein for use in beater sizing, leather dressing.

Columbus 16, Ohio—COLUMBUS COATED FABRICS CORP., Seventh & Grant Aves. Oil cloth, artificial leather, plastic coated fabrics and films.

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Philadelphia, Pa.—E. F. HOUGHTON & CO.

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Chicago 9, Ill.—ARMOUR & CO., Chemical Div., 1355 W. 31st St.

Chicago 39, Ill. — GLIDDEN CO., Soya Products Div., 1825 N. Laramie Ave.

Minneapolis, Minn.—GENERAL MILLS, INC., Chemical Div., 700 General Mills Bldg.

New York 16, N. Y.—E. F. DREW & CO., INC., 15 E. 26th St.

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Philadelphia, Pa. — NATIONAL FOAM SYSTEM. "Aer-o-foam".

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Chicago 39, Ill. — GLIDDEN CO., Soya Products Div., 1825 N. Laramie Ave. Adhesive meal (soybean) for use in manufacture of plywood adhesives.

Chicago 16, Ill. — PAISLEY PRODUCTS INC., 1770 Canalport Ave. Glues, adhesives.

Decatur, Ill.—SPENCER KELLOGG & SONS, INC. "Kelkote" pulverized commercial soy protein and "Soytex" adhesive soy flour. Defatted soy flakes.

Springfield, Mass.—MONSANTO CHEMICAL CO., Plaster Div. "Lauxein" soybean glues.

Minneapolis, Minn.—GENERAL MILLS, INC., Chemical Div., 700 General Mills Bldg. "Lotex" and "Hitex", specialty soybean flakes for use in the manufacture of plywood adhesives.

Seattle 4, Wash. — AMERICAN MARIETTA CO., 3400 12th Ave. SW. Adhesive for plywood, woodworking and allied industries.

Marshfield, Wis. — RODDIS PLYWOOD CORP. Plywood adhesives.

INSECTICIDES

Chicago 39, Ill. — THE GLIDDEN CO., Soya Products Div., 1825 N. Laramie Ave. "Spraysoy", spreader and sticker for various sprays, and emulsifier for oil emulsion sprays.

Decatur, Ill.—SPENCER KELLOGG & SONS, INC. "Special X" soy flour for insecticidal sprays.

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Chicago 80, Ill.—STANDARD OIL CO. (INDIANA), 910 S. Michigan Ave.

PAINTS AND VARNISHES

Wilmington, Del. — E. I. Du PONT De NEMOURS & CO., INC. Soybean oil in paints, alkyd resin varnishes.

Chicago 39, Ill.—THE GLIDDEN CO., Soya Products Div., 1825 N. Laramie Ave. "Alpha" protein, "Prosein" and "Prosoy F-SG" for water-thinned type paints. Soybean split fatty acids for use in paints and varnishes.

Chicago 11, Ill.—ILLINOIS FARM SUPPLY CO., 100 E. Ohio St. Soy oil paints and varnishes.

Decatur, Ill.—SPENCER KELLOGG & SONS, INC. "Kelkote" pulverized commercial soy protein. "Drisoy" drying soybean oil. Complete line of refined industrial soybean oils.

Peoria, Ill — SICCA SOYA PAINT CO., INC., 3400 S. Washington St. "Sta-Par," "Plastic Plaster," soy oil paints.

Louisville, Ky. — BUCKEYE COTTON OIL CO. Isolated protein for water paints.

Louisville 8, Ky.—JONES-DABNEY CO., 1481 S. 11th St. Div. of Devoe & Raynolds Co. Varnishes.

North Kansas City 16, Mo.—GLASTIC CORP., 2012 Burlington. Manufacturers of 100% soybean oil industrial finishes, soybean oil base paints, texture finishes.

St. Louis 7, Mo.—P. D. GEORGE CO. Exterior building paints, industrial paints, interior paints, varnishes.

Cincinnati, Ohio—DRACKETT CO., 5020 Spring Grove Ave. Isolated protein for use in water paints including latex and resin emulsion types.

Cleveland, Ohio—SHERWIN WILLIAMS & CO. Paints, enamels. Paint grinding oils. Alkyd resin varnishes.

Pittsburgh, Pa.—PITTSBURGH PLATE GLASS CO., 2000 Grant Bldg. Paints, varnishes and lacquers.

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Aurora, Ill. — GLENN DAVIDSON, P. O. Box 510. "Soyize" (technical soy flour) and "Soyein" (isolated soy protein) for use as industrial adhesives.



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Yes, WESTERN is your best source for bags . . . because WESTERN is geared to produce QUALITY bags at LOW COST.

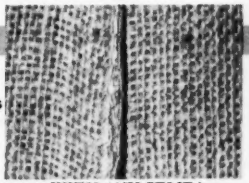
Whether your need is for NEW or RECONDITIONED bags, WESTERN BAGS can SAVE you money and MAKE you money! It costs nothing to ask . . . so find out today how you can cut your sacking costs by using WESTERN made bags.

SAVE UP TO $1 A TON with 'NU-SEME' bags

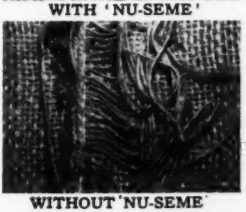
'NU-SEME' bags . . . an EXCLUSIVE WESTERN feature . . . are completely re-conditioned bags, individually selected from the best used bags obtainable. After thorough cleaning and re-processing, each bag is turned inside out and the rough seam re-sewn and completely covered by WESTERN's patented 'NU-SEME' machines . . . making a bag that looks like new and with EVEN STRONGER seams!

Nu-Seme bags — whether cotton or burlap — can be colorfully imprinted just like any brand new bag, yet you save up to $1.00 a ton! And don't forget . . . WESTERN also makes New cotton and burlap bags, and WES-PRINTS.

Write today for free samples. Find out how WESTERN BURLAP BAG CO. can save you money.



WITH 'NU-SEME'



WITHOUT 'NU-SEME'

The photos above show exactly how WESTERN'S *Exclusive* 'Nu-SEME' process converts top quality used bags into attractive new-looking ones . . . at savings up to $1 a ton! Write today for free samples.



Western Burlap Bag Co.

1101 WEST 38th STREET CHICAGO 9, ILL.

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Chicago 39, Ill. — THE GLIDDEN CO., Soya Products Div., 1825 N. Laramie Ave. "Alpha" protein, "Prosein" and "Prosoy F-SG" for paper sizing and coating operations, and wallboard coatings.

Decatur, Ill. — SPENCER KELLOGG & SONS, INC. Paper sizings, wall paper and wallboard coatings.

Hiawatha, Kans. — THOMSON SOYA MILL. Industrial proteins.

Louisville, Ky. — BUCKEYE COTTON OIL CO. Isolated protein for use in paper coatings.

Springfield, Mass— MONSANTO CHEMICAL CO., plastic div. "Lauxize" paper sizing.

Minneapolis, Minn. — GENERAL MILLS, INC., 700 General Mills Bldg. Polyamide resin for coating paper in manufacture of containers.

Cincinnati, Ohio—DRACKETT CO., 5020 Spring Grove Ave. Isolated protein for use in paper coatings.

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Newark 5, N. J.—REILLY TAR & CHEMICAL CORP., 191 Doremus Ave. Phenolic plastics extended with soybean oil meal.

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Chicago 39, Ill. — THE GLIDDEN CO., Soya Products Div., 1825 N. Laramie Ave. "Alpha" protein, used in synthetic wool fibers.

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Wilmington, Del. — E. I. Du PONT De NEMOURS & CO., INC.

Chicago 39, Ill. — THE GLIDDEN CO., Soya Products Div., 1825 N. Laramie Ave. "Prosoy G", extender for resin adhesives.

Chicago 16, Ill.—PAISLEY PRODUCTS, INC., 1770 Canalport Avenue.

Louisville 8, Ky.—JONES-DABNEY CO., 1481 S. 11th St. Div. of Devoe & Raynolds Co. Alkyd resins.

Detroit 20, Mich.—REICHHOLD CHEMICALS, INC. Alkyd resins.

Minneapolis, Minn.—GENERAL MILLS, INC., Chemical Div. Polyamide resin for coating papers and delicately machined metal parts.

Cleveland, Ohio.—SHERWIN WILLIAMS & CO.

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Chicago 39, Ill. — THE GLIDDEN CO., Soya Products Div., 1825 N. Laramie Ave., Soybean split fatty acids for use in soaps.

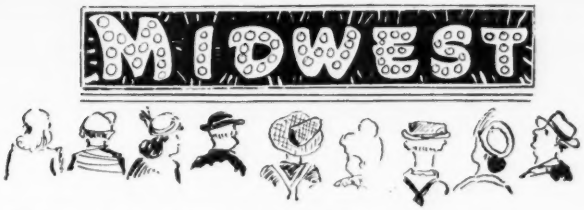
Newark, N. J.—COLONIAL PACKING CORP., 174 Blanchard St. Other plants Italian Cook Oil Corp. and Pem Sales Co., Inc. Soapstock.

New York 13, N. Y.—LEVER BROS CO., 80 Varick St.

Cincinnati, Ohio—PROCTER & GAMBLE Co., Gwynne Bldg.

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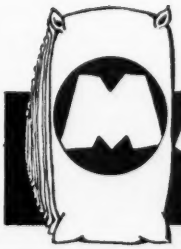
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Savannah, Ga.—SHUEY & CO.,* 115 E. Bay St.

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New Orleans 12, La.—EDWARD G. WILLIAMS LABORATORIES,* 933 Poydras St.

Kansas City 6, Mo.—SOUTHWESTERN LABORATORIES,* Board of Trade Bldg.

New York 4, N. Y.—M. F. LAURO, chief chemist, Produce Exch. Bldg., 2 Broadway.

Columbia, S. C. — HAHN LABORATORIES,* P. O. Box 1163, 305 Laurel St.

Oklahoma City, Okla. — SOUTHWELL LABORATORY,* P. O. Box 1006.

Memphis 1, Tenn. — BARROW-AGEE LABORATORIES, INC.*

Memphis, Tenn. — WOODSON-TENENT LABORATORIES.* Also offices at Little Rock, Ark.

Austin, Tex.—ACOCK LABORATORIES,* P. O. Box 1148.

Dallas 1, Tex.—POPE TESTING LABORATORIES,* P. O. Box 903.

Dallas, Tex.—TEXAS TESTING LABORATORIES, INC,* 1416 Young St.

Fort Worth, Tex.—FORT WORTH LABORATORIES.*

Fort Worth — INDUSTRIAL LABORATORIES,* 206½ W. 11th St.

Houston, Tex. — HOUSTON LABORATORIES,* P. O. Box 132, 311 Chenevert St.

***Official Chemists National Soybean Processors Association**

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St. Louis 8, Mo.—DOANE AGRICULTURAL SERVICE, INC., Box 8, 5142 Delmar Blvd.

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Chicago 50, Ill.—B. F. GUMP CO., 1309 S. Cicero Ave. Bag packers.

Chicago 6, Ill. — SEEDBURO EQUIPMENT CO., 794 Converse Bldg. Bag cleaners, closers, stackers.

Chicago 10, Ill. — UNION SPECIAL MACHINE CO., 400 N. Franklin St. Bag closers.

Evanston, Ill. — BURROWS EQUIPMENT CO., 1316 V Sherman Ave. Bag tags, cleaners, closers.

Huntington, Ind.—HUNTINGTON LABORATORIES, INC. Bag cleaners.

Minneapolis 13, Minn.—DAY CO., 810 3rd Ave. NE. Bag cleaners.

Minneapolis 3, Minn.—DAVE FISCHBEIN CO., 38 Glenwood Ave. Bag closers.

Thief River Falls, Minn.—FRED FORSBERG & SONS., INC. Bag cleaners.

Clifton, N. J.—RICHARDSON SCALE CO., 668 Van Houten Ave. Bag packers.

Buffalo 3, N. Y.—SAVAGE, INC., 251 Main St. Bag tags.

Silver Creek, N. Y.—S. HOWES CO., INC. Bag packers.

Springfield, Ohio—DUPLEX MILL & MFG. CO. Bag cleaners.

BAG MANUFACTURERS

Atlanta, Ga.—FULTON BAG & COTTON MILLS. Offices in St. Louis, Dallas, Minneapolis, Denver, New Orleans, Kansas City, Kans., New York, Los Angeles. Cotton bags, burlap bags, paper bags, waterproof paper lined bags, and "Eagle Sail" cotton twine.

Chicago 8, Ill.—ARCO BAG CO., 2423 W. 14th St. Burlap and cotton bags.

Chicago 6, Ill.—CHASE BAG CO., 309 W. Jackson Blvd. Paper, burlap and cotton bags.

Chicago 9, Ill. — WESTERN BURLAP BAG CO., 1101 W. 38th St. New cotton and burlap bags. "Wes-prints," "Nu-Seme" reconditioned cotton and burlap bags. Quality re-conditioned used burlap bags.

Indianapolis, Ind.—MAX KATZ BAG CO. Burlap and cotton bags, new and used.

Des Moines, Iowa—MIDWEST BURLAP AND BAG CO., 213 3rd St. Process burlap and cotton bags.

New Orleans, La.—BANNON BAG CO., INC., 820 Magazine St. Manufacture cotton and burlap bags for soybean oil meal.

New Orleans 7, La.—MENTE & CO., INC. Offices in Houston, Savannah, New York, and Chicago. New and used burlap and cotton bags. Burlap bagging, twine.

Minneapolis, Minn. — AMERICAN BAG CO., 112 3rd Ave. Also operate Nebraska Bag Co., Omaha, Nebr. Cotton and burlap bags; bag printing.

Minneapolis 14, Minn.—SAM MILLER BAG CO., 861-871 E. Hennepin. Manufacture new burlap and cotton bags; reconditioned used burlap and cotton bags for soybean oil meal.

St. Paul 4, Minn.—BEEDLE-WHITON CO., 470 Cleveland Ave., N. Manufacture burlap, cotton and paper bags for soybeans and soybean oil meal; recondition used cotton and burlap bags.

Kansas City 7, Mo.—CENTRAL BAG CO., 1323-31 W. 13th St. New and second hand bags.

Kansas City, Mo.—PERCY KENT BAG CO. Offices in Buffalo, New York, Minneapolis, Chicago, Oklahoma City. Cotton and burlap bags.

St. Louis 2, Mo.—BEMIS BRO. BAG CO., 408 Pine St., Box 68. Offices in Baltimore, Boise, Boston, Brooklyn, Buffalo, Charlotte, Chicago, Cleveland, Denver, Detroit, E. Pepperell, Houston, Indianapolis, Jacksonville, Fla.; Kansas City, Los Angeles, Louisville, Memphis, Minneapolis, Mobile, New Orleans, New York, Norfolk, Oklahoma City, Omaha, Peoria, Philadelphia, Phoenix, Pittsburgh, Salina, Salt Lake City, San Francisco, Seattle, Vancouver, Wash.; Wichita, Wilmington, Calif. Cotton, burlap, waterproof paperlined textile and multiwall paper shipping sacks, cellophane bags.

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St. Louis 6, Mo.—REPUBLIC BAG CO., 1540 Blair Ave. Burlap and cotton bag processors.

St. Louis 3, Mo.—UNITED BAGS, INC., 1510 Clark Ave., P. O. Box 297. New and used cotton and burlap bags for soybeans, soybean oil meal and other products.

Omaha 8, Nebr.—NEBRASKA BAG CO., 715-17 S. 9th St. Affiliate of American Bag Co., Minneapolis, Minn. New and used burlap and cotton bags. All types bag supplies.

Brooklyn, N. Y.—BURROS BAG CO., INC. Burlap and cotton bags, bagging and burlap.

New York 17, N. Y.—ST. REGIS SALES CORP. Head office, 230 Park Ave. Offices at 1925 O'Sullivan Bldg., Baltimore 2, Md.; 1 Montgomery St., San Francisco 4, Calif.; 1036 N. Godfrey St., Allentown, Pa.; 230 N. Michigan Ave., Chicago 1, Ill.

New York 7, N. Y.—UNION BAG AND PAPER CORP., 233 Broadway. Manufacture "Multiwall" paper bags for packaging soybean oil meal and other feeds.

Charlotte, N. C.—GITTLIN CHARLOTTE BAG CO., 1000 W. Palmer St., P. O. Box 2506. Affiliate Gittlin Bag Co. Burlap and cotton bags.

Jaite, Ohio—JAITE CO. "Multi-wall" paper bags.

Memphis 12, Tenn.—CROWN BAG CO., 2686 Harvard St. Cotton and burlap bags.

Memphis 3, Tenn.—LANGSTON BAG CO., 132 E. Webster St. Manufacturers of new and used cotton and burlap bags.

Nashville 1, Tenn. — WERTHAM BAG CORP., 1400 8th Ave. N. Also plant at 303 Thalia St., New Orleans, La. New and used burlap and cotton textile bags for sacking soybeans and soybean oil meal.

Houston 1, Tex.—LONE STAR BAG & BAGGING CO., P. O. Box 276. New and secondhand burlap and cotton bags.

Richmond, Va. — VIRGINIA-CAROLINA CHEMICAL CORP., 401 E. Main St. Plant at Dubuque, Iowa. "V-C" burlap, cotton and paper bags.

Milwaukee 2, Wis.—FREDMAN BAG CO., 330 E. Clybourn St. Cotton and burlap bags.

BAG REPAIRING

Chicago 9, Ill.—VAL-A CO., 700 W. Root St. "Tehr-Greeze," fabric cement.

Houston 1, Tex.—LONE STAR BAG & BAGGING CO., P. O. Box 276.

BELTING

Chicago 6, Ill.—C. R. DANIELS, INC., Belting Div., 549 W. Randolph St. Plants at Baltimore and Daniels, Md.; Dallas, Tex. Canvas stitched belting for elevating and conveying.

Chicago 23, Ill.—IMPERIAL BELTING CO., 1750-1800 S. Kilbourn Ave. Manufacture canvas stitched conveyor and elevator belting.

Chicago 8, Ill.—LINK-BELT CO. Also Indianapolis 6, Philadelphia 40, Atlanta, Dallas 1, Minneapolis 5, San Francisco 24, Los Angeles 33, Seattle 4, Toronto 8. Conveyor belting, V-belt, chain drive.

Evanston, Ill.—BURROWS EQUIPMENT CO., 1316 V Sherman Ave.

BELTING—Continued

Cedar Rapids, Iowa—E. COHN & SONS, Box 910. Conveyor belting.

Cedar Rapids, Iowa—J. C. KINTZ CO., 719 5th St., SE.

Minneapolis, Minn.—R. R. HOWELL CO. Bucket belts.

Kansas City, Mo. — GENERAL MILL EQUIPMENT CO., 2021-23 Pennsylvania Ave. Belting, V-belt and chain belt drives.

Omaha, Nebr.—PURITAN MFG. CO., 1931 N. 11th St. Leather, rubber and cotton belting.

Buffalo 7, N. Y.—BUFFALO WEAVING & BELTING CO., 260 Chandler St. Conveyor belting.

Buffalo 14, N. Y. — GLOBE WOVEN BELTING CO., 1400 Clinton St. Also offices at New York, Chicago, Philadelphia, Los Angeles and San Francisco. Conveyor belting; solid woven white cotton and stitched canvas treated for special use in the soybean industry.

New York 7, N. Y.—CARLYLE RUBBER CO., INC., 64 Park Place. Conveyor, elevator and power transmission belting.

Youngstown 1, Ohio—REPUBLIC RUBBER DIV., Lee Tire & Rubber Co., Albert St. "Challenger Reprene" transmission belting.

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Little Rock, Ark. — SAM A. SANDERS, 724 Boyle Bldg. Brokerage soybean products.

Los Angeles 1, Calif.—D. AND D. BROKERAGE CO., 819 E. 62nd St. Affiliate of A. E. Staley Mfg. Co., Decatur, Ill. Brokers of soybean and other salad oils. Storage and handling facilities. Represent Apelousas Oil Refinery, Apelousas, La. Cottonseed and peanut oils.

Los Angeles 14, Calif. –JAMES H. SELEY & CO., 704 S. Spring St. Commodity brokers, soybean oil and meal. Distribution of soybean oil to fish canners.

Los Angeles 23, Calif.—SNOW & CO., 3039 E. 12th St. Brokerage, feeds, grains and concentrates, fats and oils.

Los Angeles 15, Calif.—R. S. WILSON CO., 1206 S. Maple Ave. Soybean oil meal.

Pasadena 2, Calif.—H. V. NOOTBAAR & CO., 890 S. Arroyo Parkway. Branch at 465 California St., San Francisco 4, Calif. Brokers and jobbers of grain, concentrates.

Atlanta, Ga. — ASHCRAFT-WILKINSON CO., 601 Trust Co. of Ga. Bldg. Also offices Nat'l Bank of Commerce Bldg., Norfolk, Va.; Exchange Bank Bldg., Charleston, S. C.; Wallace S. Bldg., Tampa, Fla. Dealers in soybean meal to the mixed feed trade.

Atlanta, Ga.—INTERNATIONAL COMMISSION CO., LTD., 925 Walton Bldg. Brokerage—all vegetable oilseeds products.

Atlanta, Ga. — JARRETT-FEELY CO., Bona Allen Bldg. Brokers in cottonseed & peanut products, and soybeans and soybean meal.

Atlanta 1, Ga. — M. C. KING CO., 704-5 Haas-Howell Bldg. Brokers, cottonseed, peanut and soybean products.

Atlanta 3, Ga.—YANCEY & HARLAN, 824 Mortgage Guarantee Bldg. Commodity brokers in oil, proteins and other feed and fertilizer ingredients.

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Chicago 4, Ill. — FAROLL & CO., 209 S. LaSalle St. Futures or cash business in soybeans and soybean oil.

Chicago, Ill.—GOODBODY & CO., 105 W. Adams. Also 17 Court St., Buffalo; Cotton Exch. Bldg., Dallas; 70 S. Front St., Memphis. Soybean meal and oil.

Chicago, Ill.—LAMSON BROS. & CO., 141 W. Jackson Blvd.

Chicago 4, Ill. — MERRILL LYNCH, PIERCE, FENNER & BEANE, 141 W. Jackson Blvd. Brokers in cash and futures SBO, CSO, CSM, SBM, soybeans.

Chicago 4, Ill.—W. G. MOORHEAD, INC., Rm. 1034 Board of Trade Bldg. Commission merchants; receivers and shippers of soybeans and all grains.

Chicago, Ill.—NELLIS FEED CO., 3822 Board of Trade Bldg. Offices at 405 Merchants Exch. Bldg., St. Louis, Mo.; 555 Dwight Bldg., Kansas City, Mo. Soybean oil meal brokers.

Chicago, Ill.—DAVID A. NOYES & CO., 208 S. La Salle St.

Chicago, Ill.—PAINE WEBBER, JACKSON & CURTIS, 209 So. La Salle St.

Chicago, Ill.—H. L. RACLIN & SONS, 135 S. La Salle St. Div. of World Commerce Corp. Brokerage—vegetable oils.

Chicago, Ill.—DANIEL F. RICE & CO., 141 W. Jackson Blvd.

Chicago 4, Ill.—ROESLING, MONROE & CO., 327 S. La Salle St. Crude and refined vegetable oils.

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Chicago 4, Ill.—BOB WHITE & CO., 2001 Board of Trade Bldg.

Chicago, Ill.—WILBUR-ELLIS CO., 105 W. Adams St. Brokers of soybean oil and proteins.

Chicago 4, Ill.—ZIMMERMAN, ALDERSON CARR CO. Offices in New York, Memphis, Dallas and San Francisco. Vegetable oils.

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Minneapolis 1, Minn.—NEWSOME COMMISSION CO. Vegetable oil meal, mill feeds, meat by-products.

Minneapolis, Minn. — WARNER BROKERAGE CO., 915 Metropolitan Life Bldg. Brokers of soybean oil meal.

Minneapolis, Minn.—WOODBACH, INC., 512 Corn Exch. Bldg. Broker soybean meal and oil; all feed ingredients; packinghouse by-products.

Greenville, Miss. — J. G. LUSK, 136 S. Poplar Street. Broker in soybeans, soybean oil cake and meal.

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Buffalo 2, N. Y.—GREUTKER, INC. Soybean oil meal.

New York 5, N. Y.—BACHE & CO., 36 Wall St., head office. Branch office, 135 So. LaSalle St., Chicago 3, Ill. Execution of hedging orders in futures contracts for soybeans, soybean oil, cottonseed oil, etc.

New York 5, N. Y.—BALFOUR GUTHRIE & CO., LTD., 67 Wall St. Offices in Dallas, Chicago, and on Pacific Coast. Soybean oil and soybean meal.

New York 17, N. Y.—HASSELMAN, SEAMAN, DE RYSS, INC., 347 Madison Ave. Vegetable oils and fats.

New York 6, N. Y.—W. C. HOLZHAUER, 120 Liberty St. Crude and refined soybean oil.

New York, N. Y. — INTERNATIONAL COMMISSION CO., LTD., 917 17th St., N.W. Offices also at 925 Walton Bldg., Atlanta 3, Ga. Brokerage—soybean oil and meal.

New York 4, N. Y.—GEORGE SIROTA & SONS, 60 Beaver St. Soybean and cottonseed oils.

New York, N. Y.—IRVING WEIS & CO., 60 Beaver St. Facilities to hedge crude soybean oil or soybeans.

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Memphis 3, Tenn.—E. E. BUXTON & CO., 619 Cotton Exchange Bldg. Futures brokers in soybean meal and cottonseed meal.

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Memphis 3, Tenn.—GUILLORY SALES CO., Cotton Exch. Bldg. Soybean and cottonseed oil and meal.

Memphis 3, Tenn.—HECKLE BROS., 801 Cotton Exch. Bldg. Plant at Shelco Milling Co., Memphis. Jobbers of soybean and cottonseed oil meal.

Memphis, Tenn. — HUMPHREYS-GODWIN CO., 2246 Park Ave. Manufacturing distributors of cottonseed cake and meal; soybean and peanut oil meal.

Memphis, Tenn.—LINDSEY & MOORE, 522-24 Cotton Exch. Bldg. Brokerage, cash and futures.

Memphis 1, Tenn.—MARIANNA SALES CO., 510-12 Cotton Exch. Bldg. Dealers in cottonseed, peanuts, soybean and rice products and feed ingredients.

Memphis, Tenn. — MEMPHIS MERCHANTS EXCHANGE. Brokers, dealers, jobbers and mixed feed manufacturers.

Memphis, Tenn.—STANDARD COMMISSION CO., 414 Cotton Exch. Bldg. Futures brokers in cottonseed and soybean oil meal.

Memphis 3, Tenn.—A. J. SUMNER, 622 Cotton Exch. Bldg. Cottonseed and soybean products.

Memphis, Tenn.—GRIDER WIGGS, Cotton Exch. Bldg. Broker in purchase and sale of soybean oil meal.

Dallas 1, Tex.—LACY-LOGAN CO., LTD., 203 Cotton Exch. Bldg. Also 63 S. Main, Rm. 910, Memphis, Tenn. Brokers of soybeans, soybean oil and proteins.

Dallas, Tex. — WEST-LECLERCQ CO., 103 Cotton Exch. Bldg. Strictly brokers in cottonseed, peanut and soybean products.

Fort Worth 2, Tex. — COMMODITY PRODUCTS CO., 606 Neil P. Anderson Bldg. Specialize in the distribution of soybean, cottonseed and peanut proteins; and feed ingredients.

Houston, Tex.—A. E. BURGESS, 401-403 United Gas Bldg. Soybean and cottonseed oil, meal and cake; peanut and linseed oil and meal.

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Cincinnati 2, Ohio—AMERICAN STANDARD MFG. CO., 408 Augusta St. Bung straps and bung washers.

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Seymour, Conn.—RUFERT CHEMICAL CO. Affiliate of Seymour Mfg. Co. Manufacture Rufert nickel catalyst flakes for the hydrogenation of soybean and other edible and inedible oils.

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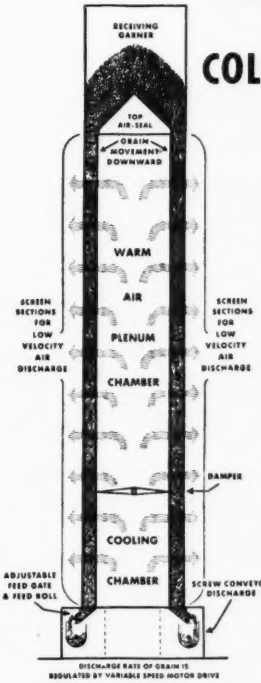
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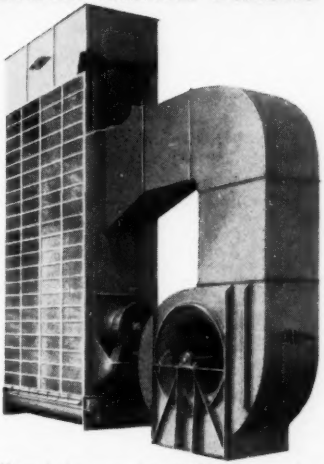
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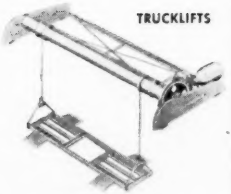
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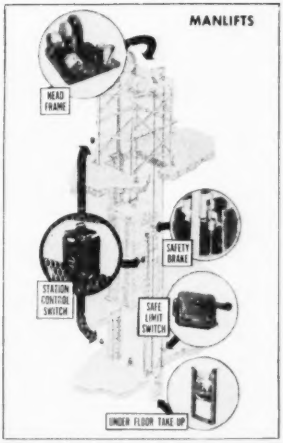
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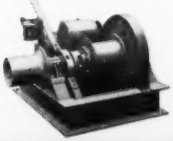
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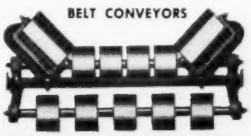
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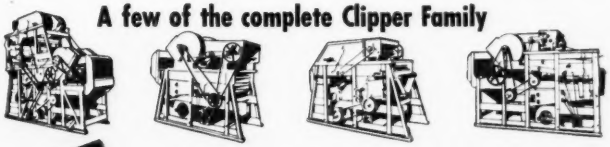


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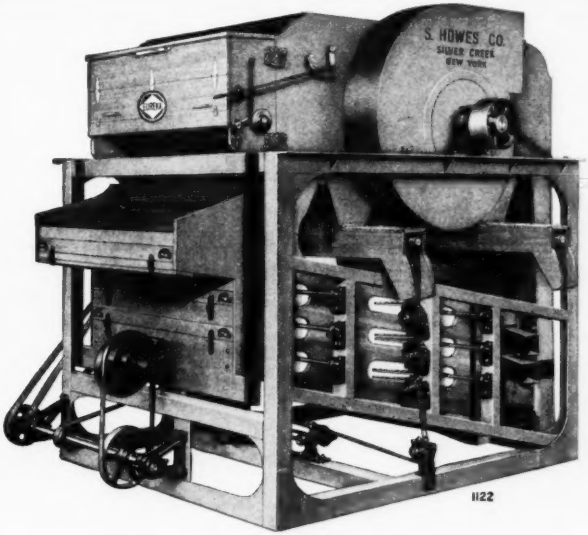
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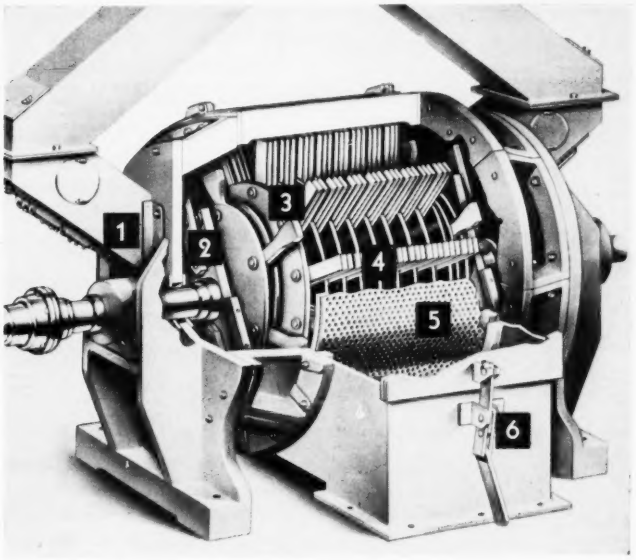
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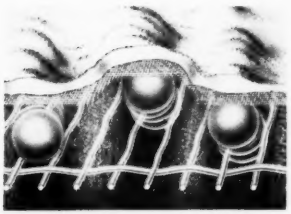
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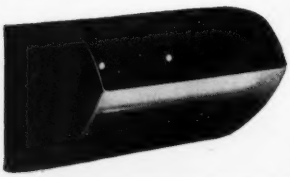


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Elevator operators the world over look to the high speed

CALUMET SUPER CAPACITY ELEVATOR **CUP**

for maximum capacity, efficiency and economy.

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IT'S THE *Curve* THAT *Counts*

The patented Logarithmic Curve design of the Calumet Cup has never been successfully imitated. Its performance has never been duplicated.

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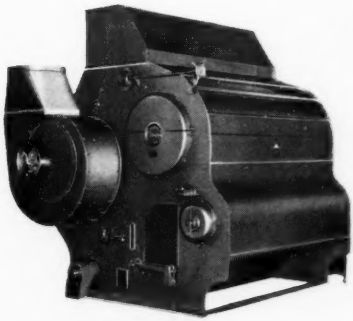
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B. I. WELLER CO.

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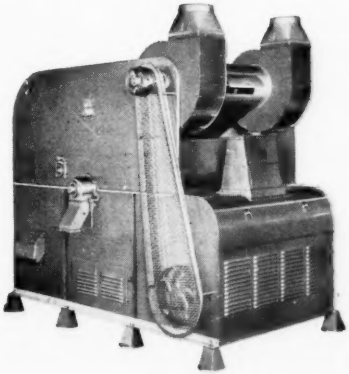
Thirty-seven Years of Service To The Grain Trade

A-1 SCREEN AND AIR SEPARATION



THE CARTER SCALPERATOR

The Carter Scalperator is used profitably for the initial cleaning of soybeans going directly to storage. It removes coarse and light foreign materials, at relatively high capacity. Special controls can be applied to coordinate the volume of beans being scalped and aspirated with the volume required for drying. The Scalperator also will serve as a cold-blasting unit on beans following the dryers. Various sizes to fit your needs.



THE CARTER MILLERATOR

The Carter Millerator is widely used for the screening and aspiration of soybeans before processing. It performs a refined scalping, removing material larger in diameter than the beans being handled, and much of the material that is substantially longer. A second screen removes small seeds and sand and is also successfully used to remove splits from the beans. The Carter Millerator can also be used for the grading of beans after cracking, and aspiration for the removal of hulls.

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Minneapolis, Minn.—R. R. HOWELL CO. Magnets, head drives, motors and power transmissions.
St. Paul 8, Minn.—PAPER, CALMENSON & CO., County Rd. B. and Walnut Sts. Steel warehouse and fabricating.
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Youngstown 1, Ohio—REPUBLIC RUBBER DIV., Lee Tire & Rubber Co., Albert St. Steam and suction hose.
Hatboro, Pa.—FISCHER & PORTER CO., 225 County Line Rd. Flow meters; flow controllers; flow ratio controllers and glass tubing.
Oreland, Pa.—ACME COPPERSMITHING & MACHINE CO. "Acme" multi-jet barometric condensers.
Memphis 2, Tenn.—HAYS SUPPLY CO., 269-287 S. Front St. Motors; motor controls; maintenance supplies and tools.
Memphis, Tenn.—INDUSTRIAL ELECTRIC & SUPPLY CO., 62 Auction St. New and used electric motors.
Fort Atkinson, Wis.—NATIONAL AGRICULTURAL SUPPLY CO. Soil testers and samplers; germinators; disease specimens and exhibits.

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Chicago 39, Ill.—METAL HARD-SURFACING CO., 1815 N. Long Ave. Hard surface screw pressing equipment, shafts, hammers, pump shafts, pump sleeves, valves, knives and other machine parts.
Minneapolis, Minn. — CUTHBERT CO., INC., 302 4th Ave. S. Direct factory fieldmen for repair and adjustment of all laboratory equipment.

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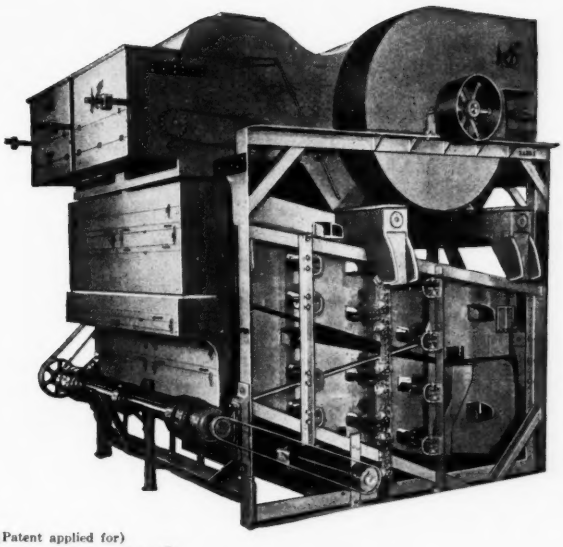
Chicago, Ill. — ALLBRIGHT-NELL CO., 5315 S. Western Blvd. Filling equipment—Lard and compound.
Evanston, Ill.—BURROWS EQUIPMENT CO., 1316 V Sherman Ave.
Hoopston, Ill.—FOOD MACHINERY & CHEMICAL CORP., Sprague-Sells Div. Filling machines—liquid, oil, viscous.
Boston 31, Mass.—NATIONAL PACKAGING MACHINERY DIV., U. S. Automatic Box Machinery Co., Inc., 23 Aboretum Rd., Roslindale. Packaging machinery.
North Quincy 71, Mass. — PNEUMATIC SCALE CORP., LTD., 65 Newport Ave. Automatic packaging and bottling machinery.
Cincinnati, Ohio — KARL KIEFER MACHINE CO., 919 Martin St. Equipment for cleaning, filling, closing, and conveying containers used in packaging of liquid and viscous materials.
Toledo 1, Ohio—LYNCH CORP., Packaging machine div. "Morpac" combined print forming, wrapping and cartoning machines for margarine.
Pittsburgh, Pa. — HORIX MFG. CO., Greenway Dr. Liquid fillers.

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San Francisco 3, Calif. — CALIFORNIA PELLET MILL CO., 1800 Folsom St.; 1114 E. Wabash Ave., Crawfordsville, Ind.; 1728 Grand Ave., Kansas City 8, Mo.
Cedar Rapids, Iowa—BARNARD & LEAS MFG. CO., INC. "Cold Process" pellet mill.
Cedar Rapids, Iowa—J. C. KINTZ CO., 719 5th St., SE.
Owensboro, Ky. — ANGLO AMERICAN MILL CORP.
Minneapolis 8, Minn.—ALLOY HARD-FACING CO., 2837 2nd Ave. S. Manufacture and rebuild high production pellet mill rolls with a hardfacing alloy and slot them diagonally.

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Aurora, Ill. — STEPHENS-ADAMSON MFG. CO. Also offices at Los Angeles, St. Louis, New York and Chicago. Plants at Aurora, Los Angeles and Belleville, Ont.
Chicago 8, Ill. — LINK-BELT CO. Also Indianapolis 6, Pittsburgh 40, Atlanta, Houston 1, Minneapolis 5, San Francisco 24, Los Angeles 33, Seattle 4, Toronto 8. Chains, sprockets, bearings, couplings, speed reducers, gearmotors, variable speed drives, backstops, V-belt drives, etc.
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Enterprise, Kans.—J. B. EHRSAM & SONS MFG. CO. Power transmission equipment including pulleys, gears, plain and anti-friction bearings, shafting, clutches, sprockets, pillow blocks, V-belt sheaves, flexible and rigid couplings.
Columbus 16, Ohio—JEFFREY MFG. CO., 799 N. 4th St.
Oklahoma City, Okla. — SOUTHWESTERN SUPPLY & MACHINE WORKS, 6 E. Chickasaw St.
Philadelphia 29, Pa.—AMERICAN PULLEY CO., 4200 Wissahickon Ave. Speed reduction units, wedgbelt sheaves, wedgbelts, motor bases, adjustable-diameter sheaves, pulleys.
Memphis, Tenn.—LEWIS SUPPLY CO., 477 S. Main St. Distribution of industrial supplies.



(Patent applied for)

Monitor "Q" Type SOYBEAN MASTER CLEANER

REGISTERED TRADE-MARK

The latest example of advanced design in Receiving Separators. Will answer your Soybean cleaning problems.

Many are now being used by soybean processors who find them to be exceptionally efficient.

Due to special construction, operator can secure a 50% greater capacity than can be obtained with respective sizes in other types of Separators.

Salient construction features consist of heavy structural steel frames, fully ball bearing, positive cleaning device under all main and split screens.

Manufactured in five sizes. Capacity range from 3000 to 7000 bushels of grain per hour.

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Milwaukee 46, Wis.—STEARNS MAGNETIC MFG. CO., 688 S. 28th St. All types of permanent and electro magnetic separators (spout magnetic drums, magnetic pulleys, plate magnets, suspended separation magnets); magnetic brakes and clutches.

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Minneapolis 13, Minn. — CROWN IRON WORKS CO., 1229 Tyler St. Non-explosive and non-flammable solvent.

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East Orange, N. J.—OTTO H. YORK CO., INC., 69 Glenwood Place. Liquid-liquid extraction equipment for refining processes. Entrainment separators in solvent recovery equipment.

New York 17, N. Y.—PRODUCTION ENGINEERING CO., 420 Lexington Ave.

Oswego, N. Y.—SOLVENT EXTRACTION EQUIPMENT CORP. Designers and builders of extraction plants and equipment.

Cincinnati, Ohio — VULCAN COPPER & SUPPLY CO., 120 Sycamore St.

Cleveland 2, Ohio — V. D. ANDERSON CO., 1935 W. 96th St. Designers, fabricators, erectors of complete petroleum and non-flammable type solvent extraction plants and equipment.

Piqua, Ohio — FRENCH OIL MILL MACHINERY CO. Batch solvent extractors.

Pittsburgh, Pa. — BLAW-KNOX CO., P.O. Box 1198.

Milwaukee, Wis. — ALLIS-CHALMERS MFG. CO.

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Cleveland 2, Ohio — V. D. ANDERSON CO. 1935 W. 96th St. Exclusive builder of "Expellers". Designers of complete oil mills.

Piqua, Ohio—FRENCH OIL MILL MACHINERY CO. Continuous screw presses.

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Atlanta, Ga. — DAVIDSON-KENNEDY CO. Rolls and toasters.

Dayton 1, Ohio—BUCKEYE IRON AND BRASS WORKS, P.O. Box 883.

Piqua, Ohio—FRENCH OIL MILL MACHINERY CO.

MILLING EQUIPMENT

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Marion, Iowa — RAPIDS MACHINERY CO., 889 11th St. "Marion" feed mixers and finishers.

Cleveland 2, Ohio—V. D. ANDERSON CO., 1935 W. 96th. Coolers, screening tanks, flakers, steam traps, atmospheric and pressure meal toasters, distillation systems, filters, special fabricated equipment.

Glenn Riddle, Pa.—PITTOCK & ASSOCIATES. Anderson and French presses. Used and rebuilt oil mill equipment.

Fort Worth, Tex.—V. A. LESSOR & CO., P.O. Box 108. Used oil mill equipment.

Milwaukee, Wis. — ALLIS-CHALMERS MFG. CO.

MISCELLANEOUS

San Francisco 10, Calif.—ENTERPRISE ENGINE & MACHINERY CO., 18th and Florida Sts., a subsidiary of General Metals Corp. Foots press — free oil extraction from foots.

San Francisco 11, Calif—MERCO CENTRIFUGAL CO., 1045 Sansome St. Affiliate of Merrill Co. Engineers. Manufacture industrial centrifuges used in separation processes.

San Francisco 5, Calif.—RIETZ MFG. CO., 441 Folsom St. Manufacturers of equipment for food and chemical process industries. "Rietz" disintegrator; feed systems.

Chicago 50, Ill—B. F. GUMP CO., 1309 S. Cicero Ave. Feeders.

Decatur 7, Ill.—BOWMAN WELDING & METAL WORKS, 501 East North. Expeller and oil mill parts.

East Moline, Ill.—TOLHURST CENTRIFUGALS DIV. American Machine & Metals, Inc. Centrifugal extractors.

Minneapolis 13, Minn.—JEROME SIMER CO., 422 Stinson Blvd. Paddle pumps used as transfer pumps.

Fort Lee, N. J.—BUHLER BROS., INC., 2121 Route 4. Also at Uzwil, Switzerland. Machine importers and manufacturers of preparatory equipment for the extraction of oil.

Rochester 1, N. Y.—TAYLOR INSTRUMENT COS., 95 Ames St. Manufacture instruments for indicating, recording and controlling temperature, pressure flow, liquid level and humidity.

Erie, Pa.—ERIEZ MFG. CO. Permanent non-electric magnets, magnetic non-electric separators and electronic metal detectors.

Homer City, Pa.—SYNTRON CO., 466 Lexington. Also plant at Blairsville, Pa. Electric vibrators for bins, hoppers and chutes; vibratory feeders for controlling the flow of materials.

Mertztown, Pa. — ATLAS MINERAL PRODUCTS CO. Also at Houston, Tex. Coatings, linings, cements and jointing materials; resistant to soybean oil; solvents, alkalies and acids employed in the soybean industry.

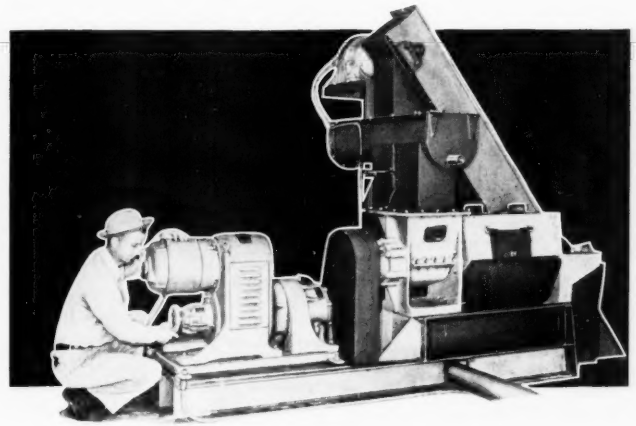
Oreland, Pa.—ACME COPPERSMITHING & MACHINE CO. Distillation equipment. Drying ovens (with solvent recovery apparatus).

Warren, Pa. — STRUTHERS WELLS CORP. Solvent recovery. Solvent removal.

Brookings, S. D.—AMES POWERCOUNT CO., 413 A 5th Ave. Design and manufacture special equipment for research or other purposes.

Milwaukee, Wis. — ALLIS-CHALMERS MFG. CO. Solvent recovery apparatus (distillation).

This Enterprise Foots Press paid for itself in just one season...



... plus a $13,050 Profit

The Enterprise PF-7 Foots Press is one of the most important innovations in the vegetable oil processing industry in many years. Installations of this specially designed and engineered equipment have proved remarkable savings in two ways: it substantially reduces foots oil content, bringing it from 50 to 60% down to approximately 15%; and it also increases tonnages by 6 to 8% through Expellers or Screw Presses. Increased plant capacity is accomplished at relatively low cost, providing greatly improved operating methods that result in high profit production. Compact and easily installed, the Enterprise Foots Press is readily adaptable to cottonseed, flaxseed or soybean plants. Write for full information today, or call your nearest Enterprise Process Machinery office.

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Los Angeles 14, Calif.—FILTROL CORP., 727 W. 7th St. Plants at Vernon, Calif.; Jackson, Miss.; Salt Lake City, Utah. Activated adsorbents, decolorizing adsorbents, desiccants, activated bleaching clays, activated bleaching earths.

Los Angeles 17, Calif.—DICALITE DIVISION, Great Lakes Carbon Corp. Offices at 1623 W. Melrose St., Chicago 13, Ill.; 18 E. 48th St., New York 17, N. Y. Manufacture diatomaceous earth filteraids for filtration of soybean oil or any other liquid or liquor concerned in processing soy products.

Batavia, Ill.—D. R. SPERRY & CO. Filter presses.

Chicago, Ill.—SIECK & DRUCKER, INC., 9 S. Clinton St. Bleaching installations.

Chicago, Ill.—WEST VIRGINIA PULP & PAPER CO., Industrial Chemical Sales Div. "Polycel" filter aid and "Nuchar", activated carbon for purifying and decolorizing.

Chicago 15, Ill.—WURSTER & SANGER, INC., 5201 S. Kenwood Ave. Bleaching installations.

Louisville 1, Ky.—GIRDLER CORP. Continuous vacuum bleaching plants.

Harrison, N. J.—T. SHRIVER & CO., INC. Filter presses.

Morristown, N. J.—ALAN PORTER LEE, INC., 81 Miller Rd. Bleaching installations.

New York, N. Y.—DARCO DEPT., ATLAS POWDER CO., 60 E. 42nd St. Activated carbons. Purifying.

New York 17, N. Y. — INDUSTRIAL CHEMICAL SALES, 230 Park Ave., div. of West Virginia Pulp and Paper Co. Offices at 35 E. Wacker Drive, Chicago 1, Ill.; 748 Public Ledger Bldg., Philadelphia 6, Pa.; 844 Leader Bldg., Cleveland 14, Ohio. Bleaching agents, filter aid.

New York 6, N. Y.—INNIS SPEIDEN & CO., 117 Liberty St. Activated and inactivated decolorizing clay.

New York 16, N. Y. — JOHNS-MANSVILLE, 22 E. 40th St. Celite (diatomaceous earth). Filter aids.

New York 18, N. Y.—OLIVER UNITED FILTERS, INC., 33 W. 42nd St. Filter presses.

New York 38, N. Y.—L. A. SALOMON & BRO., 216 Pearl St. Bleaching agents, filter aids.

Pittsburgh, Pa. — BLAW-KNOX CONSTRUCTION CO., Chemical Plants Div.

Nacogdoches, Tex. — BENNETT-CLARK CO., INC., P.O. Box 951. Bleaching and filtering clays.

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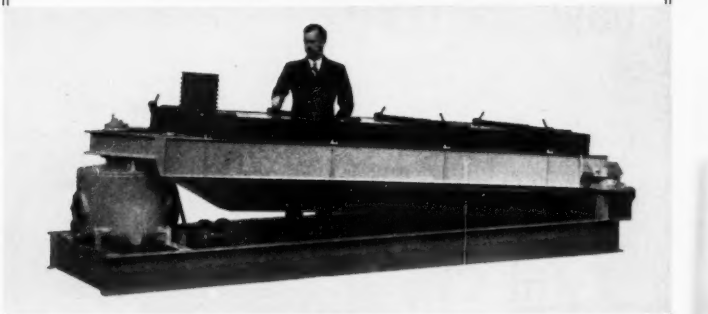
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SCREENERS



ROTEX Screener No. 82
With two screen surfaces, each 40 by 120 inches.

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At the present time ROTEX are being widely used for the rough cleaning of whole soybeans, for further cleaning them through a coarse screen and over a fine screen, for the sizing of soybean meal, both before and after grinding and for the removal of fine dust from finished meal.

ROTEX handles all these jobs exceptionally well because of the combination of the nearly level gyratory action of the screen box and the action of the rubber ball mesh cleaning system.

While the screen box action stratifies the material and conveys it over the screen surface at an angle of inclination of only 4 degrees, the rubber balls, bouncing continuously and uniformly against the underside of the screen mesh, keep the entire area of the screen mesh open and free from clogging, thus assuring a complete separation and a maximum capacity per square foot of screen area.

There are over twenty-two standard ROTEX Models, in various sizes, with from one to five screen surfaces so that it is always possible to obtain the proper size ROTEX for any capacity and separation requirement. Special Models, with variations to fit the customer's installation requirements, can also be furnished thus often eliminating expensive spouting or conveyors.

Our thirty-five years of experience in building ROTEX Screeners, with thousands of machines in daily use, assures you of trouble-free design and rugged construction that will give the most satisfactory continuous operation.

Send us a detailed description of your screening requirements and allow us to give you detailed information on ROTEX Screeners for your plant.

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Cleveland, Ohio—NATIONAL ACME CO., 170 E. 131st St.

Philadelphia 40, Pa.—SHARPLES CORP., 2300 Westmoreland St.

Pittsburgh, Pa — BLAW-KNOX CONSTRUCTION CO., Chemical Plants Div.

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Chicago, Ill. — SIECK & DRUCKER, INC., 9 S. Clinton St. High vacuum deodorizers.

Chicago 15, Ill.—WURSTER & SANGER, INC., 5201 S. Kenwood Ave. Batch and continuous.

Rockford, Ill. — ECLIPSE FUEL ENGINEERING CO., 813 S. Main St. Dowtherm heating systems.

Louisville 1, Ky.—GIRDLER CORP. Votator semi-continuous deodorization plants.

Hyde Park, Mass.—S. D. HICKS & SON CO., 1671 Hyde Park Ave. Batch installations.

Morristown, N. J. — ALAN PORTER LEE, INC., 81 Miller Rd. Batch and continuous.

New York 6, N. Y.—DE LAVAL SEPARATOR CO., 165 Broadway. Affiliate of De Laval Steam Turbine Co. Office also at 427 Randolph St., Chicago 6, Ill.

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Oreland, Pa. — ACME COPPERSMITHING & MACHINE CO. Deodorizers.

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Warren, Pa. — STRUTHERS WELLS CORP. Batch and continuous deodorizers. Heaters and coolers.

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Louisville 1, Ky. — GIRDLER CORP. "Hygirtol" hydrogen manufacturing plants.

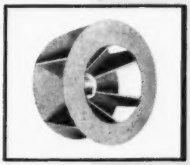
Chicago, Ill. — SIECK & DRUCKER, INC., 9 S. Clinton St. Catalyst, hydrogenators, hydrogen production and storage.

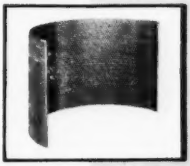


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How is this possible? One of the answers is the fan. By the very nature of its design it assures maximum tonnage at minimum use of power. Another is the screen, with its high percentage of open area that produces a heavier flow of grist. And still another is the patented, adjustable hammer, which by reason of its 10 working surfaces makes "downtime" negligible.

For feed or flour, for soybean, meat scraps or alfalfa, Schutte is the hammer mill for you. Complete design data in Catalog No. 36. Write.







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Morristown, N. J. — ALAN PORTER LEE, INC., 81 Miller Rd. Hydrogenators.

New York 6, N. Y.—DE LAVAL SEPARATOR CO., 165 Broadway. Affiliate of De Laval Steam Turbine Co. Office also at 427 Randolph St., Chicago 6, Ill. Plant at Poughkeepsie, N. Y.

New York, N. Y.—E. F. DREW & CO., INC., 15 E. 26th St. Catalyst.

New York 6, N. Y.—FOSTER WHEELER CORP., 165 Broadway. Hydrogenators.

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Philadelphia 4, Pa.—ELECTRIC HEATING EQUIPMENT CO., 32nd and Ludlow Sts. Manufacturers of complete hydrogen producing plants for oil hardening.

Pittsburgh, Pa. — BLAW-KNOX CONSTRUCTION CO., Chemical Plants Div.

Warren, Pa. — STRUTHERS WELLS CORP. Hydrogenators.

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Cedar Falls, Iowa—VIKING PUMP CO. Rotary pumps for handling soybean oils and solvents.

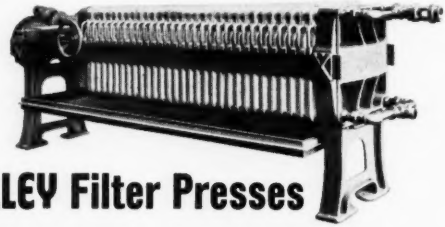
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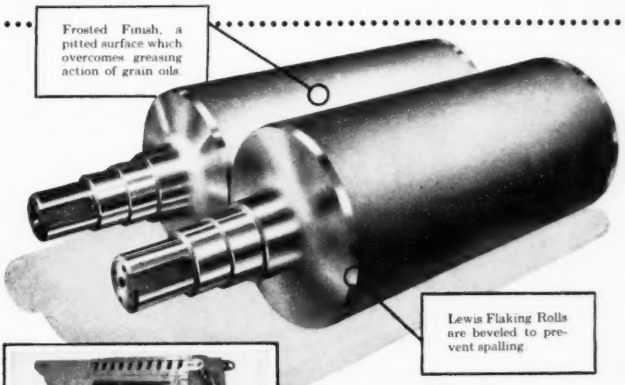
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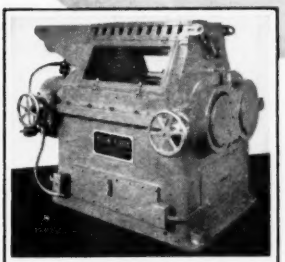
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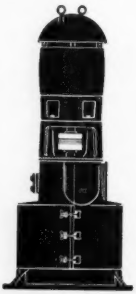
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Columbus 8, Ohio — EXACT WEIGHT SCALE CO., 939 W. 5th Ave. Also Dept. AM. 783 Yonge St., Toronto, Canada.

Sidney, Ohio — SIDNEY GRAIN MACHINERY CO., 424 N. Main St.

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Kansas City, Mo. — SKELLY OIL CO., Solvents Div., Skelly Bldg.

St. Louis 10, Mo.—H. J. BROWN CO., 1418 Wittenberg Ave. "Bronoco" extraction solvents, hexane and heptanes.

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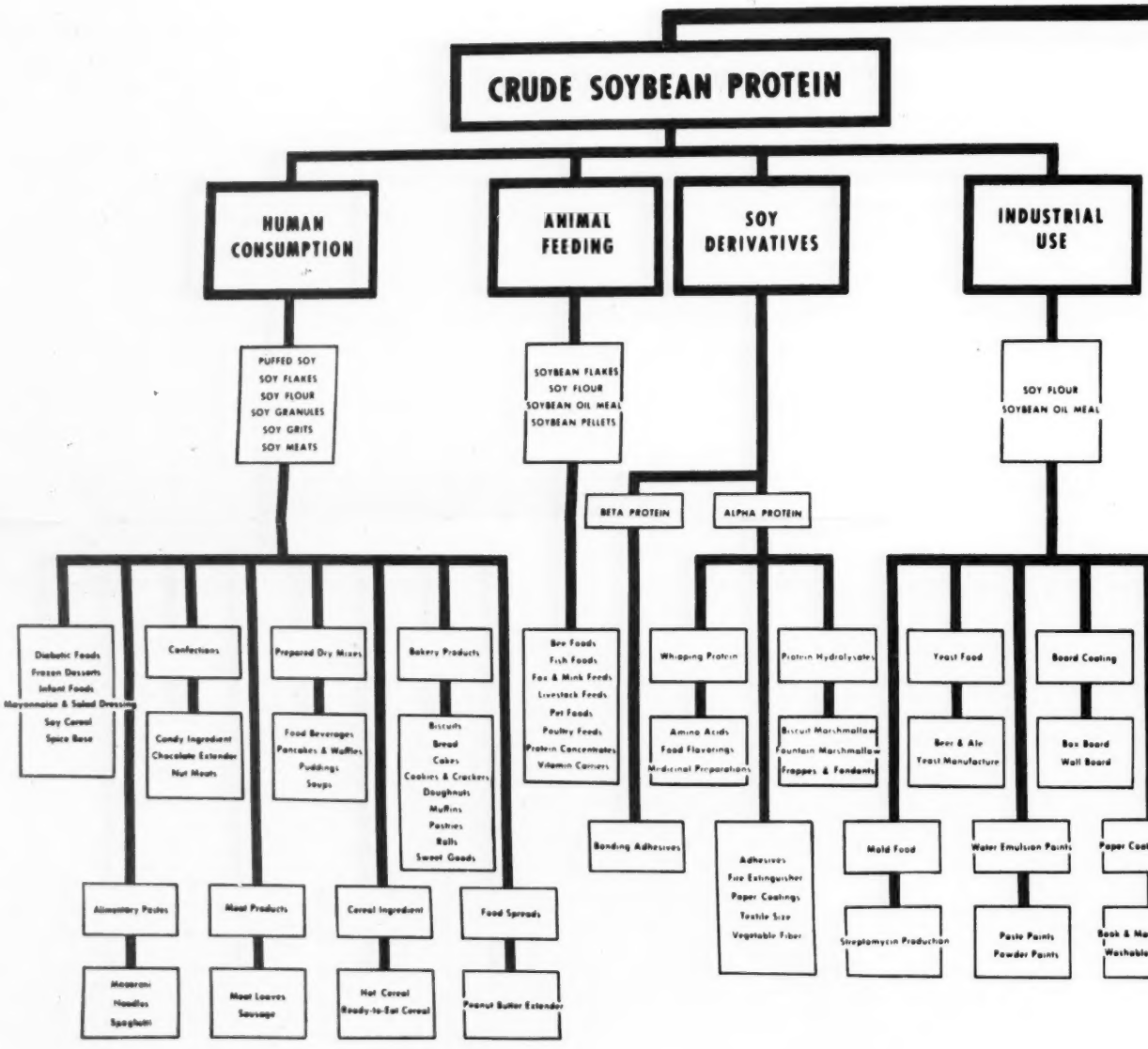
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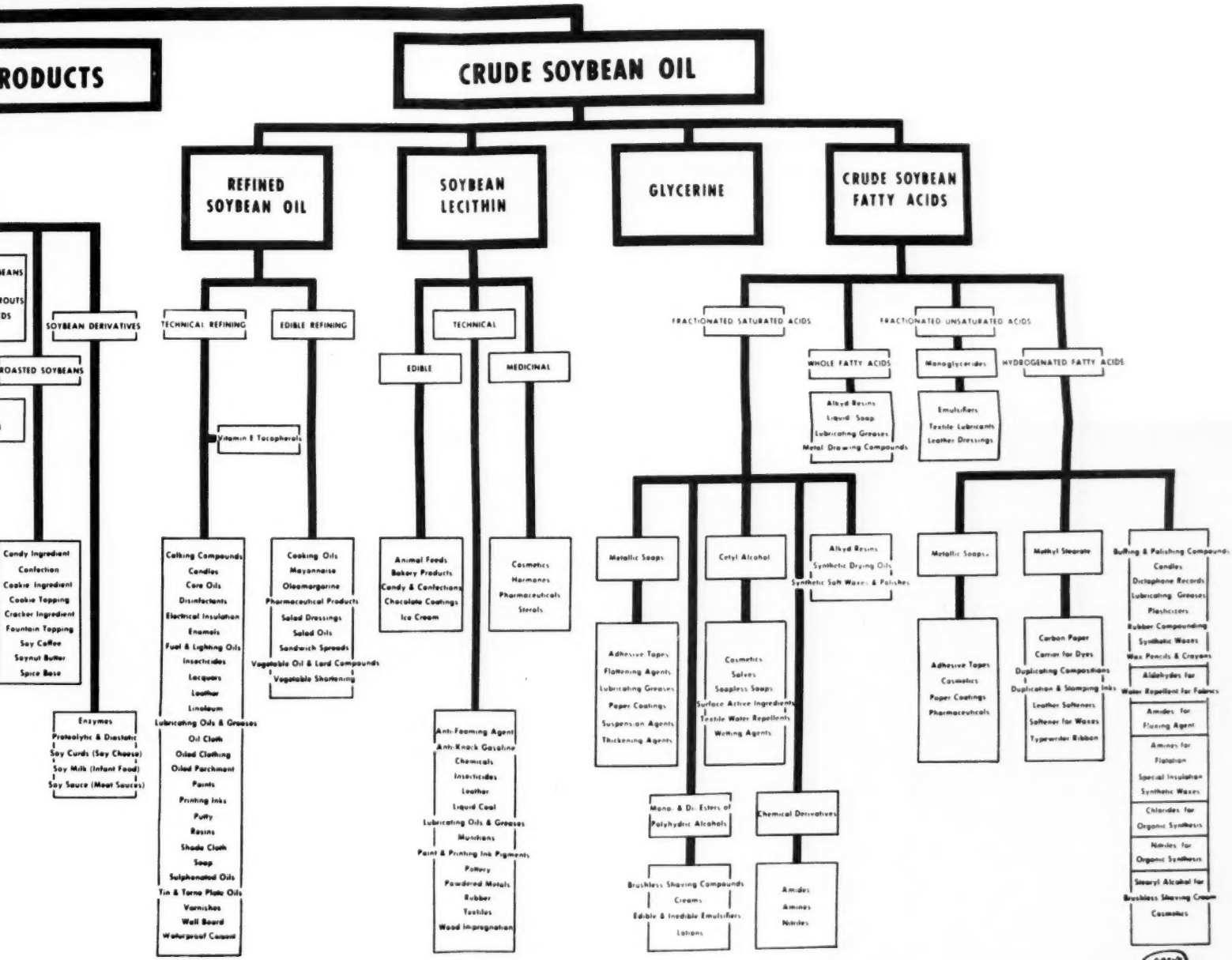
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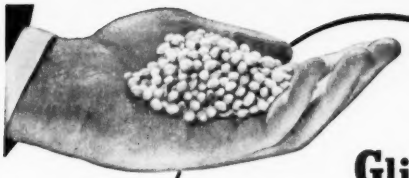
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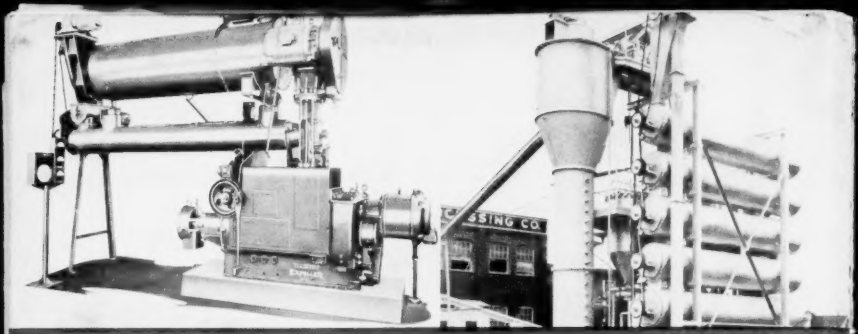
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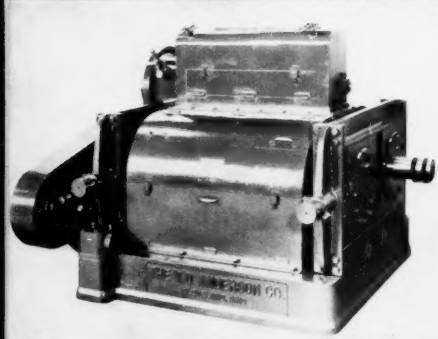
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